```
15.0
                     x_{15}
             +1.000000x_2 -2.000000x_3
   11.0
                                                 -1.000000x_7 + 1.000000x_8
x_{16}
   9.0
      +1.000000x_1 +2.000000x_2 +1.000000x_3
                                   +2.000000x_5 -3.000000x_6 -3.000000x_7 -3.000000x_8
x_{17}
x_{18}
   9.0
             +3.000000x_2 -1.000000x_3 -2.000000x_4 -2.000000x_5 +2.000000x_6 -3.000000x_7
                                                                -2.00
      -1.000000x_1
                     +1.000000x_3 -2.000000x_4 +1.000000x_5 +3.000000x_6
   11.0
                                                         -3.000000x_8 + 3.00
   12.0
      +3.000000x_1 + 1.000000x_2 + 3.000000x_3 - 2.000000x_4 - 2.000000x_5 + 1.000000x_6
                                                         -2.000000x_8
x_{20}
                                          15.0
             -2.000000x_2 -2.000000x_3 +3.000000x_4
x_{21}
      14.0
x_{22}
   7.0
      x_{23}
x_{24}
   3.0
      +2.000000x_1 +1.000000x_2
                            2.0
      +3.00
x_{25}
      +2.000000x_1 +3.000000x_2 +2.000000x_3 +1.000000x_4
                                          12.0
x_{26}
      13.0
x_{27}
      3.0
x_{28}
   15.0
      -2.000000x_1
                            +3.000000x_4 +1.000000x_5 -2.000000x_6 -1.000000x_7 -2.000000x_8
x_{29}
      +2.000000x_1
                     +1.000000x_3 +2.000000x_4 +1.000000x_5 -2.000000x_6 -2.000000x_7
                                                                -1.00
   0.0
```

No initialization required –; Proceed to Optimize.

```
15.0
x_{15}
x_{16}
   11.0
             +1.000000x_2 -2.000000x_3
                                                 -1.000000x_7 + 1.000000x_8
   9.0
      +1.000000x_1 +2.000000x_2 +1.000000x_3
                                   +2.000000x_5 -3.000000x_6 -3.000000x_7 -3.000000x_8
x_{17}
             +3.000000x_2 -1.000000x_3 -2.000000x_4 -2.000000x_5 +2.000000x_6 -3.000000x_7
   9.0
x_{18}
   11.0
      -1.000000x_1
                    +1.000000x_3 -2.000000x_4 +1.000000x_5 +3.000000x_6
                                                        -3.000000x_8 + 3.00
x_{19}
   12.0
      +3.000000x_1 +1.000000x_2 +3.000000x_3 -2.000000x_4 -2.000000x_5 +1.000000x_6
                                                        -2.000000x_8
x_{20}
   15.0
             -2.000000x_2 -2.000000x_3 +3.000000x_4
                                          x_{21}
   14.0
      x_{22}
      7.0
x_{23}
   3.0
      +2.000000x_1 +1.000000x_2
                            x_{24}
      2.0
x_{25}
   12.0
      +2.000000x_1 +3.000000x_2 +2.000000x_3 +1.000000x_4
                                          x_{26}
      13.0
x_{27}
      3.0
x_{28}
   15.0
      -2.000000x_1
                           +3.000000x_4 +1.000000x_5 -2.000000x_6 -1.000000x_7 -2.000000x_8
x_{29}
                                                               -1.00
   0.0
      +2.000000x_1
                    +1.000000x_3 +2.000000x_4 +1.000000x_5 -2.000000x_6 -2.000000x_7
```

 x_1 enters and x_{25} leaves

```
15.0
                                                                                       x_{15}
                                                                +1.0000000x_2 -2.0000000x_3
                   11.0
                                                                                                                                                                                  -1.000000x_7 + 1.00
x_{16}
          9.6666666667
                                        x_{17}
x_{18}
                    9.0
                                                                +3.000000x_2 - 1.000000x_3 - 2.000000x_4 - 2.000000x_5 + 2.000000x_6 - 3.000000x_7
          10.333333333
                                        x_{19}
                   14.0
                                        -1.000000x_{25} - 1.000000x_2 + 4.000000x_3 - 3.000000x_4 - 5.000000x_5 + 2.000000x_6 - 2.000000x_7 - 2.00
x_{20}
                                                                                                                                                          +3.000000x_6 +1.000000x_7 +3.00
                   15.0
                                                                -2.000000x_2 -2.000000x_3 +3.000000x_4
x_{21}
x_{22}
          15.3333333333
                                        -0.666667x_{25} + 1.666667x_2 + 3.666667x_3 + 0.3333333x_4 - 5.000000x_5 - 1.3333333x_6 - 3.333333x_7 + 3.00
                                        -0.666667x_{25} -3.333333x_2 -0.333333x_3 +2.333333x_4 -4.000000x_5 +1.666667x_6 -4.333333x_7 -2.00x_7 -2.00x
x_{23}
          8.33333333333
                                        4.33333333333
x_{24}
         0.666666666667
                                        x_1
          13.333333333
                                        x_{26}
          14.3333333333
                                        x_{27}
                    1.0
                                        +1.000000x_{25} +3.000000x_2
                                                                                                             +2.000000x_4
                                                                                                                                                                                 +1.000000x_7 +2.00
x_{28}
          13.6666666667
                                        x_{29}
          1.33333333333
```

 x_3 enters and x_{16} leaves

```
20.5
     x_{15}
x_3
 5.5
     +0.500000x_2 -0.500000x_{16}
                     -0.500000x_7 + 0.500000x_8
  x_{17}
 17.0
x_{18}
 3.5
     14.0
  36.0
  x_{20}
 4.0
     -3.000000x_2 + 1.000000x_{16} + 3.000000x_4
                  +3.000000x_6 + 2.000000x_7 + 2.0000000x_8 - 1
x_{21}
x_{22}
 35.5
  x_{23}
 6.5
  8.0
  x_{24}
 2.5
  x_1
 28.0
  x_{26}
 23.5
  x_{27}
 1.0
  +1.000000x_{25} +3.000000x_2
            +2.000000x_4
                     +1.000000x_7 + 2.000000x_8 - 2
x_{28}
 10.0
  x_{29}
 10.5
  z
```

 x_4 enters and x_{18} leaves

```
15.25
                                                                                                                                                x_{15}
                                             5.5
                                                                                                                                                +0.500000x_2 -0.500000x_{16}
                                                                                                                                                                                                                                                                                                                                                                                                                               -0.500000x_7 + 0.50
  x_3
                                                                                        16.416666667
x_{17}
 x_4
                                           1.75
                                                                                                                                                11.0833333333
                                                                                        +0.333333x_{25} - 1.083333x_2 - 0.750000x_{16} + 0.833333x_{18} + 3.666667x_5 + 1.000000x_6 + 2.416667x_7 - 2.25x_7 + 2.25x_
 x_{19}
                                        30.75
                                                                                          x_{20}
                                                                                                                                                9.25
x_{21}
                      36.0833333333
                                                                                         x_{22}
                      10.5833333333
                                                                                        x_{23}
                                                                                         -0.666667x_{25} + 2.916667x_2 + 0.250000x_{16} - 1.166667x_{18} - 1.333333x_5
                                                                                                                                                                                                                                                                                                                                                                                                                               -3.583333x_7 - 1.25
                      12.0833333333
x_{24}
                                                                                        -0.333333x_{25} -0.916667x_2 -0.250000x_{16} +0.166667x_{18} -0.666667x_5
                                                                                                                                                                                                                                                                                                                                                                                                                              -0.416667x_7 + 0.25
                      1.91666666667
  x_1
                                                                                        -0.666667x_{25} + 3.416667x_2 - 1.250000x_{16} - 0.166667x_{18} - 2.333333x_5 - 2.000000x_6 - 5.083333x_7 + 3.25x_1 + 3.25x_2 + 3.25x_1 + 3.25x_2 + 3.25x_
                      28.5833333333
x_{26}
                                                                                         -0.666667x_{25} + 0.416667x_2 - 0.250000x_{16} - 1.166667x_{18} - 6.333333x_5 + 4.000000x_6 - 3.083333x_7 + 2.25x_1 + 2.25x_2 + 2.25x_1 + 2.25x_2 + 2.25x_
                      27.5833333333
 x_{27}
                                             4.5
                                                                                        x_{28}
                      16.4166666667
                                                                                        x_{29}
                      12.8333333333
                                                                                        -0.666667x_{25} + 1.166667x_2 - 0.500000x_{16} - 0.666667x_{18} - 2.333333x_5
                                                                                                                                                                                                                                                                                                                                                                                                                              -5.833333x_7 + 0.50
```

 x_2 enters and x_1 leaves

```
+1.181818x_{25} + 3.545455x_1 - 0.363636x_{16} + 0.909091x_{18} + 3.363636x_5 - 1.000000x_6 + 6.727273x_7 + 2.36x_5 + 2.36x_
                                  8.45454545455
x_{15}
                                  6.54545454545
                                                                                                                                          -0.181818x_{25} - 0.545455x_1 - 0.636364x_{16} + 0.090909x_{18} - 0.363636x_5
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                -0.727273x_7 + 0.63
   x_3
 x_{17}
                                  19.7272727273
                                                                                                                                         -0.909091x_{25} - 1.727273x_1 - 1.181818x_{16} + 0.45454545x_{18} + 0.181818x_5 - 3.000000x_6 - 4.636364x_7 - 1.81818x_7 - 1.81818x_7
                                  4.36363636364
                                                                                                                                         x_4
                                 8.818181818
                                                                                                                                        x_{19}
                                                                  25.0
                                                                                                                                                                                                                               x_{20}
                                  10.8181818182
                                                                                                                                         -0.272727x_{25} - 0.818182x_1 + 1.545455x_{16} - 1.363636x_{18} - 3.545455x_5 + 6.000000x_6 - 2.090909x_7 + 1.45666x_{18} + 1.46666x_{18} + 
 x_{21}
                                  44.2727272727
                                                                                                                                         -2.090909x_{25} - 4.27272x_1 - 2.818182x_{16} + 0.545455x_{18} - 8.181818x_5 - 1.000000x_6 - 7.363636x_7 + 5.818180x_7 + 5.818
x_{22}
                                 9.36363636364
                                                                                                                                         x_{23}
                                  18.18181818
                                                                                                                                          -1.727273x_{25} -3.181818x_1 -0.545455x_{16} -0.636364x_{18} -3.454545x_5
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                -4.909091x_7 - 0.45
x_{24}
                                                                                                                                         -0.363636x_{25} - 1.090909x_1 - 0.272727x_{16} + 0.181818x_{18} - 0.727273x_5
                                  2.09090909091
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               -0.454545x_7 + 0.27
   x_2
                                 35.7272727273
                                                                                                                                         x_{26}
                                                                                                                                          x_{27}
                                 28.4545454545
                                                                 16.0
                                                                                                                                          -1.000000x_{25} -6.000000x_1 -1.000000x_{16}
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             -6.000000x_5 + 2.000000x_6 - 4.000000x_7 + 3.00
 x_{28}
                                  28.0909090909
                                                                                                                                        -1.363636x_{25} - 6.090909x_1 - 0.272727x_{16} - 0.818182x_{18} - 4.727273x_5 + 1.000000x_6 - 6.454545x_7 - 1.72x_7 - 1.72x_
  x_{29}
                                  15.2727272727
                                                                                                                                        -1.090909x_{25} -1.272727x_1 -0.818182x_{16} -0.454545x_{18} -3.181818x_5
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               -6.363636x_7 + 0.81
        z
```

 x_8 enters and x_{23} leaves

```
16.0625
                                                                                                               x_{15}
  x_3
                                          8.59375
                                                                                                                -0.281250x_{25} - 0.406250x_1 - 0.437500x_{16} - 0.187500x_{18} - 1.656250x_5 + 0.875000x_6 - 2.218750x_7 - 0.218750x_7 - 0.218750x_8 - 0.0000x_8 - 
                                                                                                               13.875
x_{17}
                                           4.65625
                                                                                                               -0.468750x_{25} - 1.343750x_1 - 0.062500x_{16} - 0.312500x_{18} - 2.093750x_5 + 1.125000x_6 - 2.031250x_7 - 0.031250x_7 - 0.031250x_8 - 0.03
  x_4
                                                                                                               +1.125000x_{25} + 0.625000x_1 - 1.250000x_{16} + 1.750000x_{18} + 9.625000x_5 - 2.500000x_6 + 8.875000x_7 + 0.87500x_8 + 0.625000x_8 + 0.6250000x_8 + 0.6250000x_8 + 0.6
                                                 0.625
  x_{19}
                                                    25.0
                                                                                                               x_{20}
                                                    15.5
                                                                                                               x_{21}
                                                    63.0
                                                                                                               x_{22}
                                                                                                               3.21875
   x_8
                                        16.71875
                                                                                                               x_{24}
                                         2.96875
                                                                                                               x_2
                                        49.1875
                                                                                                               x_{26}
                                         36.0625
                                                                                                                x_{27}
                                     25.65625
                                                                                                               -1.468750x_{25} - 5.343750x_1 - 0.062500x_{16} - 1.312500x_{18} - 12.093750x_5 + 6.125000x_6 - 11.031250x_7 - 1.031250x_7 - 1.031250x_8 - 12.093750x_8 - 12.000750x_8 - 1
 x_{28}
                                     22.53125
                                                                                                               -1.093750x_{25} - 6.468750x_1 - 0.812500x_{16} - 0.062500x_{18} - 1.218750x_5 - 1.375000x_6 - 2.406250x_7 + 0.59378x_5 - 0.0000x_6 - 0.00000x_6 - 0.0000x_6 - 0.0000x_6 - 0.0000x_6 - 0.
  x_{29}
                                     17.90625
                                                                                                               -1.218750x_{25} - 1.093750x_1 - 0.562500x_{16} - 0.812500x_{18} - 4.843750x_5 + 1.125000x_6 - 8.281250x_7 - 0.281250x_7 - 0.281250x_8 - 0.0000x_8 -
```

 x_6 enters and x_{19} leaves

```
16.625
x_{15}
  x_3
                                                 8.8125
                                                                                                                        +0.112500x_{25} - 0.187500x_1 - 0.875000x_{16} + 0.425000x_{18} + 1.712500x_5 - 0.350000x_{19} + 0.887500x_7 + 0.087500x_7 + 0
                                                                                                                         x_{17}
                                                         12.5
                                                  4.9375
                                                                                                                        +0.037500x_{25} - 1.062500x_1 - 0.625000x_{16} + 0.475000x_{18} + 2.237500x_5 - 0.450000x_{19} + 1.962500x_7 + 0.362500x_7 + 0
  x_4
                                                         0.25
                                                                                                                        x_6
                                                     24.75
                                                                                                                         x_{20}
                                                                                                                        17.5
  x_{21}
                                                     64.75
                                                                                                                        x_{22}
                                                                                                                        +0.462500x_{25} + 0.562500x_1 - 0.375000x_{16} + 0.525000x_{18} + 3.262500x_5 - 0.550000x_{19} + 2.537500x_7 + 0.137500x_7 + 0.0000x_{19} + 0.00000x_{19} + 0.0000x_{19} 
                                                 3.5625
    x_8
                                              16.5625
                                                                                                                         -1.937500x_{25} - 3.437500x_1 - 0.375000x_{16} - 0.875000x_{18} - 4.937500x_5 + 0.250000x_{19} - 6.062500x_7 - 0.062500x_7 + 0
x_{24}
                                                                                                                        3.0625
    x_2
                                                50.125
                                                                                                                        x_{26}
                                                37.875
                                                                                                                        x_{27}
                                            27.1875
                                                                                                                      +1.287500x_{25} - 3.812500x_1 - 3.125000x_{16} + 2.975000x_{18} + 11.487500x_5 - 2.450000x_{19} + 10.712500x_7 + 1.112500x_7 +
 x_{28}
                                            22.1875
                                                                                                                        -1.712500x_{25} - 6.812500x_1 - 0.125000x_{16} - 1.025000x_{18} - 6.512500x_5 + 0.550000x_{19} - 7.287500x_7 + 0.112500x_7 + 0.0000x_{19} - 0.00000x_{19} - 0.0000x_{19} - 0.00000x_{19} - 0.0000x_{19} - 0.0000x_{19}
  x_{29}
                                                                                                                      -0.712500x_{25} - 0.812500x_1 - 1.125000x_{16} - 0.025000x_{18} - 0.512500x_5 - 0.450000x_{19} - 4.287500x_7 + 0.112500x_7 + 0.0000x_{19} - 0.00000x_{19} - 0.0000x_{19} - 0.00000x_{19} - 0.0000x_{19} - 0.0000x_{19}
                                            18.1875
          z
```

 x_9 enters and x_{17} leaves

```
10.375
                                                                                                                                                   x_{15}
                                    14.2401315789
                                                                                                                                                   -1.233553x_{25} -1.707237x_1 -0.440789x_{16} -0.703947x_{18} -5.799342x_5 +0.605263x_{19} -7.753289x_7
   x_3
                                                                                                                                                   -0.815789x_{25} -0.921053x_1 +0.263158x_{16} -0.684211x_{18} -4.552632x_5 +0.578947x_{19} -5.236842x_7
                                   3.28947368421
   x_9
                                    13.3256578947
                                                                                                                                                   -2.042763x_{25} -3.411184x_1 + 0.046053x_{16} - 1.269737x_{18} - 9.371711x_5 + 1.026316x_{19} - 11.391447x_7
   x_4
                                                                                                                                                   -0.855263x_{25} -1.223684x_1 -0.078947x_{16} -0.394737x_{18} -3.434211x_5 +0.526316x_{19} -4.828947x_{7}
                                   5.51315789474
   x_6
                                    26.0657894737
                                                                                                                                                   -0.776316x_{25} +2.381579x_1 -1.394737x_{16} +0.026316x_{18} -5.671053x_5 +0.631579x_{19} -4.644737x_{77} +0.026316x_{18} +0.026316x_{19} +0
  x_{20}
                                                                                                                                                   -4.078947x_{25} \quad -6.605263x_1 \quad +0.315789x_{16} \\ -2.421053x_{18} \\ -15.763158x_5 \\ +1.894737x_{19} \\ -23.184211x_7 \\ +2.421053x_{18} \\ -2.421053x_{18} \\
                                    46.4473684211
  x_{21}
                                    121.328947368
                                                                                                                                               -13.881579x_{25} - 17.092105x_1 + 0.026316x_{16} - 8.868421x_{18} - 71.355263x_5 + 7.157895x_{19} - 86.223684x_{7} + 7.157895x_{19} + 7.157895x_{19} + 7.157895x_{19} + 7.157895x_{19} + 7.157895x_{19} + 7.157886x_{19} + 7.157886x_{19} + 7.157886x_{19} + 7.157886x_{19} + 7.157886x_{19} + 7.15786x_{19} + 7.1
x_{22}
                                                                                                                                                   -0.720395x_{25} -0.773026x_1 +0.006579x_{16} -0.467105x_{18} -3.338816x_5 +0.289474x_{19} -5.055921x_7
                                    8.33223684211
   x_8
                                                                                                                                                   -2.957237x_{25} \quad -4.588816x_1 \quad -0.046053x_{16} \\ -1.730263x_{18} \\ -10.628289x_5 \\ +0.973684x_{19} \\ -12.608553x_{76} \\ -1.628289x_{18} \\ -1.628288x_{18} \\ -1.628288x_{18} \\ -1.62828x_{18} \\ -1.6284x_{18} \\ -1.62828x_{18} \\ -1.62828x_{18} \\ -1.62828x_{18} \\ -1.6
x_{24}
                                    20.6743421053
                                   9.14802631579
                                                                                                                                                   -1.746711x_{25} -2.641447x_1 +0.111842x_{16} -0.940789x_{18} -8.259868x_5 +0.921053x_{19} -9.450658x_7
   x_2
                                   71.5065789474
                                                                                                                                                   -6.177632x_{25} \quad -7.861842x_1 \quad -1.039474x_{16} \quad -3.197368x_{18} \\ -28.467105x_5 \\ +2.263158x_{19} \quad -37.164474x_{16} \\ -3.197368x_{18} \quad -28.467105x_5 \\ +2.263158x_{19} \quad -37.164474x_{16} \\ -3.197368x_{18} \quad -3.197368x_{18} \\ -3.197368x_{18}
 x_{26}
                                                                                                                                                   x_{27}
                                    80.9671052632
                                   65.1809210526
                                                                                                                                                   -8.134868x_{25} -14.450658x_1 -0.085526x_{16} -4.927632x_{18} -41.095395x_5 +4.236842x_{19} -49.773026x_7
 x_{28}
                                   27.2861842105
                                                                                                                                                   -2.976974x_{25} -8.240132x_1 +0.282895x_{16} -2.085526x_{18} -13.569079x_5 +1.447368x_{19} -15.404605x_7
  x_{29}
                                    26.5756578947
                                                                                                                                                   -2.792763x_{25} -3.161184x_1 -0.453947x_{16} -1.769737x_{18} -12.121711x_5 +1.026316x_{19} -17.641447x_7
```

 x_{10} enters and x_9 leaves

```
12.875
x_{15}
                      18.1875
                                                              x_3
x_{10}
                              2.5
                                                              -0.620000x_{25} -0.700000x_1 +0.200000x_{16} -0.520000x_{18} -3.460000x_5 +0.440000x_{19} -3.980000x_7 -0.2600000x_7
                      15.5625
                                                              -2.597500x_{25} -4.037500x_1 +0.225000x_{16} -1.735000x_{18} -12.467500x_5 +1.420000x_{19} -14.952500x_7 -0.742
 x_4
                            7.75
                                                                                                                      -1.410000x_{25}
 x_6
                          39.75
                                                                                                                      -1.450000x_1 -0.300000x_{16} -2.820000x_{18} -24.610000x_5 +3.040000x_{19} -26.430000x_7 -1.9100000
x_{20}
                            45.0
                                                              x_{21}
                        124.75
                                                            x_{22}
                                                              7.9375
 x_8
                      28.4375
                                                              -4.882500x_{25} \quad -6.762500x_1 \quad +0.575000x_{16} \\ -3.345000x_{18} \\ -21.372500x_5 \\ +2.340000x_{19} \\ -24.967500x_7 \\ -1.29700x_7 \\ -1.2970
x_{24}
                       9.9375
                                                              x_2
                       88.875
                                                            x_{26}
                       76.625
                                                              -7.535000x_{25} -8.975000x_1 -0.150000x_{16} -5.110000x_{18} -37.155000x_5 +3.920000x_{19} -44.765000x_7 -2.305000x_7
x_{27}
                     67.8125
                                                              -8.787500x_{25} - 15.187500x_1 + 0.125000x_{16} - 5.475000x_{18} - 44.737500x_5 + 4.700000x_{19} - 53.962500x_7 - 3.112x_{10} - 50.0000x_{19} - 50.0000x_{19
x_{28}
                     27.8125
                                                              x_{29}
                     28.8125
                                                              -3.347500x_{25} \quad -3.787500x_{1} \quad -0.275000x_{16} \\ -2.235000x_{18} \\ -15.217500x_{5} \\ +1.420000x_{19} \\ -21.202500x_{7} \\ -0.992x_{10} \\
     z
```

 x_{12} enters and x_{15} leaves

```
+0.926050x_{25} +1.907563x_1 -0.352941x_{16} +0.749580x_{18} +4.173109x_5 -0.524370x_{19} +5.090756x_7 +0.000756x_7 +0.00076x_7 +0.0000
                                      4.32773109244
x_{12}
                                                                                                                                                        35.768907563
  x_3
                                                                                                                                                        +0.213445x_{25} +1.016807x_1 -0.117647x_{16} +0.154622x_{18} +0.295798x_5 -0.031933x_{19} +0.601681x_7 -0.031933x_{19} +0.001681x_7 -0.031933x_{19} +0.001681x_7 -0.031930x_{19} +0.001681x_7 -0.03190x_{19} +0.001681x_7 -0.001681x_7 -0.001681
                                      6.39495798319
 x_{10}
                                      30.2226890756
                                                                                                                                                        +0.539496x_{25} +2.424370x_1 -0.970588x_{16} +0.804202x_{18} +1.668908x_5 -0.356303x_{19} +2.292437x_7 -
  x_4
                                                                                                                                                        18.3529411765
   x_6
                                     90.1680672269
                                                                                                                                                        +6.618487x_{25} + 20.773109x_1 - 4.411765x_{16} + 5.912605x_{18} + 24.006723x_5 - 3.068908x_{19} + 32.877311x_7
  x_{20}
                                                                                                                                                        59.7142857143
  x_{21}
                                      236.621848739
                                                                                                                                                        x_{22}
                                                                                                                                                        +0.778151x_{25} + 2.222689x_1 - 0.558824x_{16} + 0.748739x_{18} + 3.519328x_5 - 0.573109x_{19} + 3.272269x_7 - 0.573109x_{19} + 0.778151x_{25} + 0.778151x_{25} + 0.778151x_{25} + 0.778151x_{25} + 0.778151x_{25} + 0.788151x_{25} + 0.78817x_{25} + 0.78817x_{25}
                                      14.4831932773
   x_8
                                                                                                                                                         -3.759664x_{25} -4.449580x_1 +0.147059x_{16} -2.436134x_{18} -16.312605x_5 +1.704202x_{19} -18.794958x_7
x_{24}
                                      33.6848739496
                                                                                                                                                        22.5420168067
   x_2
                                                                                                                                                        +7.873950x_{25} + 25.092437x_1 - 6.647059x_{16} + 8.050420x_{18} + 30.226891x_5 - 5.075630x_{19} + 36.109244x_7 - 6.047059x_{16} + 6.047050x_{16} + 6.04700x_{16} +
                                     174.672268908
 x_{26}
                                                                                                                                                        x_{27}
                                      128.882352941
                                      132.457983193
                                                                                                                                                        +5.045378x_{25} + 13.306723x_1 - 5.147059x_{16} + 5.721849x_{18} + 17.598319x_5 - 3.132773x_{19} + 22.080672x_7 - 3.132773x_{19} + 2.080672x_7 - 3.080672x_7 - 3.08
 x_{28}
                                     20.6176470588
                                                                                                                                                        -4.647059x_{25} - 11.558824x_1 + 0.911765x_{16} - 3.441176x_{18} - 21.235294x_5 + 2.411765x_{19} - 24.705882x_7 - 24.70582x_7 - 
 x_{29}
                                                                                                                                                        38.0630252101
```

 x_1 enters and x_{29} leaves

```
+0.159142x_{25} - 0.165031x_{29} - 0.202472x_{16} + 0.181679x_{18} + 0.668630x_5 - 0.126354x_{19} + 1.013522x_7 + 0.0126354x_{19} + 0.01264x_{19} + 0.01264x_{
                                                  7.73027989822
x_{12}
                                                  44.5750636132
                                                                                                                                                                                                      -0.435260x_{25} - 0.427117x_{29} - 1.169393x_{16} + 0.050382x_{18} - 3.379208x_5 + 0.199855x_{19} - 3.908615x_7 - 0.050382x_{18} - 0.05038x_{18} - 0.05038x
   x_3
                                                                                                                                                                                                      x_{10}
                                                8.20865139949
                                                  34.5470737913
                                                                                                                                                                                                      -0.435187x_{25} - 0.209742x_{29} - 0.779353x_{16} + 0.082443x_{18} - 2.785024x_5 + 0.149546x_{19} - 2.889422x_7 - 0.082443x_{18} - 0.08244x_{18} - 0.0824x_{18} - 0.
   x_4
                                                23.3893129771
                                                                                                                                                                                                      x_6
                                                  127.221374046
                                                                                                                                                                                                      -1.733043x_{25} - 1.797165x_{29} - 2.773173x_{16} - 0.271756x_{18} - 14.156598x_5 + 1.265431x_{19} - 11.523228x_7 - 11.56586x_7 - 11.56666x_7 - 11.5666x_7 - 11.56666x_7 - 11.56666x_7 - 11.56666x_7 - 11.56666x_7 - 11.5666x_7 - 1
   x_{20}
                                                                                                                                                                                                      -0.686296x_{25} - 0.024718x_{29} - 0.977463x_{16} + 0.343511x_{18} - 0.096329x_5 - 0.083242x_{19} - 4.182116x_7 - 0.086296x_{18} - 0.086296x_{19} - 0.083242x_{19} - 0.086296x_{19} - 0.08626x_{19} - 0.08626x_{19} - 0.08626x_{19} - 0.08626x_{19} - 0.0866x_{19} - 0.0866x
                                                  60.2239185751
 x_{21}
                                                                                                                                                                                                      x_{22}
                                                  292.381679389
                                                  18.4478371501
                                                                                                                                                                                                      -0.115449x_{25} - 0.192294x_{29} - 0.383497x_{16} + 0.087023x_{18} - 0.564086x_5 - 0.109342x_{19} - 1.478517x_7 - 0.087023x_{18} - 0.087023x_{19} - 0.087023x_{19} - 0.087023x_{18} - 0.087023x_{18} - 0.087023x_{19} - 0.08702x_{19} - 
   x_8
                                                  25.7480916031
                                                                                                                                                                                                      -1.970774x_{25} + 0.384951x_{29} - 0.203926x_{16} - 1.111450x_{18} \\ -8.138059x_5 \\ +0.775791x_{19} \\ -9.284406x_7 \\ +0.275791x_{19} \\ -0.284406x_7 \\ +0.284406x_7 \\ +0.28406x_7 \\ +0.284406x_7 \\ +0.28406x_7 \\ +0.284406x_7 \\ +0.28406x_7 \\
x_{24}
                                                                                                                                                                                                      27.3460559796
   x_2
                                                219.430025445
                                                                                                                                                                                                      x_{26}
                                                                                                                                                                                                        x_{27}
                                                  153.959287532
                                                  156.193384224
                                                                                                                                                                                                      -0.304398x_{25} - 1.151218x_{29} - 4.097419x_{16} + 1.760305x_{18} - 6.848128x_5 - 0.356307x_{19} - 6.361178x_7 
 x_{28}
                                                  1.78371501272
                                                                                                                                                                                                     x_1
                                                38.5801526718
                                                                                                                                                                                                     z
```

 x_{14} enters and x_{10} leaves

```
0.430469441984
                                                                                                                                                                       +0.332861x_{25} - 0.086802x_{29} - 0.169176x_{16} + 0.313375x_{18} + 2.066785x_5 - 0.286625x_{19} + 2.411160x_7
x_{12}
  x_3
                                             60.8396811337
                                                                                                                                                                        20.0017714792
 x_{14}
                                             57.8715677591
                                                                                                                                                                       -0.990257x_{25} - 0.459699x_{29} - 0.885740x_{16} - 0.338353x_{18} - 7.252436x_5 + 0.661647x_{19} - 7.355182x_{7}
  x_4
                                                                                                                                                                     -0.461647x_{25} - 0.327724x_{29} - 0.577502x_{16} - 0.004606x_{18} - 2.984588x_5 + 0.395394x_{19} - 3.443578x_{7} + 0.004606x_{18} - 0.004606x_{18} - 0.004606x_{18} + 0.004606x_{18} - 0.004606x_{18} + 0.00460
                                             31.1762621789
   x_6
                                                48.784765279
                                                                                                                                                                       +0.133570x_{25} - 0.956599x_{29} - 2.415412x_{16} + 1.143313x_{18} + 0.866608x_5 - 0.456687x_{19} + 3.494420x_7
  x_{20}
                                              240.908768822
                                                                                                                                                                     -4.986182x_{25} - 1.961027x_{29} - 1.801594x_{16} - 2.916209x_{18} - 34.703454x_5 + 3.883791x_{19} - 38.776439x_{7} + 3.883791x_{19} + 3.8837787x_{19} + 3.8837787x_{19} + 3.883777x_{19} + 3.883777x_{19} + 3.88377x_{19} + 3.88
  x_{21}
x_{22}
                                              331.447298494
                                                                                                                                                                       -4.289105x_{25} - 3.123118x_{29} - 6.535872x_{16} - 0.214703x_{18} - 33.127724x_5 + 1.585297x_{19} - 34.369885x_{7} + 1.585297x_{19} + 1.585277x_{19} + 1.585277x_{19} + 1.58527x_{19} + 1.58527x_{
                                                                                                                                                                       -0.351284x_{25} - 0.298494x_{29} - 0.428698x_{16} - 0.091763x_{18} - 2.462179x_5 + 0.108237x_{19} - 3.375908x_7
                                              28.3578387954
   x_8
                                                                                                                                                                       23.5668733392
 x_{24}
                                              21.8857395926
                                                                                                                                                                       -0.198229x_{25} - 0.174491x_{29} - 0.615589x_{16} + 0.374845x_{18} - 1.100443x_5 - 0.025155x_{19} - 0.591851x_7
  x_2
                                               209.93445527
                                                                                                                                                                        -1.988131x_{25} - 2.069088x_{29} - 4.624446x_{16} + 0.751461x_{18} - 14.052967x_5 - 0.048539x_{19} - 15.705403x_{7} + 0.048539x_{19} - 10.048539x_{19} - 10.048530x_{19} - 10.048530x_{19} - 10.048530x_{19} - 10.048530x_{19} - 10.048530x_{19} - 10.04850x_{19} - 
  x_{26}
                                                                                                                                                                        -4.048361x_{25} - 2.136404x_{29} - 3.694420x_{16} - 1.793268x_{18} - 29.037910x_5 + 2.406732x_{19} - 29.782462x_{7} - 20.037910x_{18} - 20.037910x_{19} - 
  x_{27}
                                              239.819309123
                                              199.112488928
                                                                                                                                                                       x_{28}
                                             4.12488928255
                                                                                                                                                                       x_1
                                             141.620903454
                                                                                                                                                                       -3.936758x_{25} - 1.129318x_{29} - 1.476528x_{16} - 2.578034x_{18} - 26.565810x_5 + 2.621966x_{19} - 30.669088x_{7} - 2.578034x_{18} - 2.57804x_{18} - 2.57804x_
```

 x_{19} enters and x_{12} leaves

```
1.50185414091
x_{19}
 x_3
                          61.6761433869
                                                                                                        x_{14}
                         20.6613102596
 x_4
                          58.8652657602
                                                                                                        -0.221879x_{25} - 0.660074x_{29} - 1.276267x_{16} + 0.385043x_{18} - 2.481459x_5 - 2.308405x_{12} - 1.789246x_7
                         31.7700865266
                                                                                                        -0.002472x_{25} - 0.447466x_{29} - 0.810878x_{16} + 0.427689x_{18} - 0.133498x_5 - 1.379481x_{12} - 0.117429x_{7} + 0.002472x_{15} + 0.00247
  x_6
                          48.0988875155
                                                                                                        x_{20}
                                                                                                        246.741656366
 x_{21}
                          333.828182942
                                                                                                        x_{22}
                          28.5203955501
                                                                                                        -0.225587x_{25} - 0.331273x_{29} - 0.492583x_{16} + 0.026576x_{18} - 1.681706x_5 - 0.377627x_{12} - 2.465389x_{7}
 x_8
                          24.6600741656
                                                                                                        x_{24}
                                                                                                        -0.227441x_{25} - 0.166873x_{29} - 0.600742x_{16} + 0.347342x_{18} - 1.281829x_5 + 0.087763x_{12} - 0.803461x_{7} + 0.087763x_{12} + 0.087763x_{13} + 0.087763x_{13} + 0.087763x_{14} + 0.087763x_{15} + 0.087764x_{15} + 0.08764x_{15} + 0
                            21.847960445
 x_2
                          209.861557478
                                                                                                        x_{26}
                                                                                                        -1.253399x_{25} - 2.865266x_{29} - 5.114957x_{16} + 0.838072x_{18} - 11.683560x_5 - 8.396786x_{12} - 9.536465x_{72} - 0.838072x_{18} - 10.838072x_{18} - 1
x_{27}
                          243.433868974
                          199.992583436
                                                                                                        -0.645241x_{25} - 1.788628x_{29} - 4.639061x_{16} + 1.626700x_{18} - 10.843016x_5 - 2.044499x_{12} - 9.648949x_{72} - 10.044499x_{13} - 10.044499x_{14} - 10.044499x_{15} - 10.04449x_{15} - 10.04449x_{15} - 10.04449x_{15} - 10.044449x_{15} - 10.044444x_{15} - 10.04444x_{15} - 10.0444x_{15} - 10.04
x_{28}
                          4.51545117429
                                                                                                        x_1
                                                                                                        145.558714462
      z
```

 x_{11} enters and Unbounded Dictionary!