```
14.0
       -1.000000x_1 + 3.000000x_2 - 1.000000x_3
                                          +1.000000x_5 -2.000000x_6
                                                                   -1.000000x_8 + 2.00
       +3.000000x_1 + 1.000000x_2 + 1.000000x_3 + 3.000000x_4 - 3.000000x_5 + 3.000000x_6 + 1.000000x_7
   15.0
                                                                            +1.00
   14.0
                                                  +3.000000x_3
x_{16}
   9.0
       +1.000000x_1 - 2.000000x_2 + 3.000000x_3 + 1.000000x_4 + 3.000000x_5 + 1.000000x_6 + 3.000000x_7
x_{17}
                        -1.000000x_3 +3.000000x_4
                                                           -3.000000x_7 -3.000000x_8 -2.00
   11.0
       +3.000000x_1
   11.0
       +1.000000x_1 +3.000000x_2
                                 +1.000000x_4 +1.000000x_5 +1.000000x_6
                                                                    -3.000000x_8
x_{19}
       7.0
x_{20}
   8.0
                x_{21}
   11.0
                        +1.000000x_3 -1.000000x_4 +3.000000x_5
                                                           +2.000000x_7
       -3.000000x_1
x_{22}
   8.0
                        +2.000000x_3 - 1.000000x_4 - 1.000000x_5 - 3.000000x_6 - 2.000000x_7 - 1.000000x_8
x_{23}
       +2.000000x_1 -2.000000x_2 +1.000000x_3
                                          x_{24}
   14.0
   7.0
       -1.000000x_1 -3.000000x_2 +2.000000x_3 +2.000000x_4 +1.000000x_5
x_{25}
       2.0
x_{26}
                                          -2.000000x_5 -2.000000x_6 -3.000000x_7 -2.000000x_8
   1.0
       +2.000000x_1 +1.000000x_2 -3.000000x_3
x_{27}
   6.0
       +1.000000x_1 -1.000000x_2 -2.000000x_3 +3.000000x_4
                                                  +2.000000x_6
                                                                   +2.000000x_8 - 1.00
x_{28}
   12.0
                -3.000000x_2 -3.000000x_3 -2.000000x_4 +3.000000x_5
                                                           +1.000000x_7 +1.000000x_8 -2.00
x_{29}
   3.0
                x_{30}
   12.0
       x_{31}
       +1.000000x_1 - 2.000000x_2 + 1.000000x_3 - 2.000000x_4 - 1.000000x_5 - 2.000000x_6 - 1.000000x_7
x_{32}
   13.0
   13.0
       -1.000000x_1
                        +3.000000x_3 +2.000000x_4
                                                  x_{33}
       z
```

No initialization required –; Proceed to Optimize.

```
-1.000000x_1 + 3.000000x_2 - 1.000000x_3
                                             +1.000000x_5 -2.000000x_6
                                                                          -1.000000x_8 + 2.00
x_{14}
        +3.000000x_1 + 1.000000x_2 + 1.000000x_3 + 3.000000x_4 - 3.000000x_5 + 3.000000x_6 + 1.000000x_7
    15.0
                                                                                   +1.00
x_{15}
x_{16}
   14.0
                           +3.000000x_3
                                                       9.0
        +1.000000x_1 - 2.000000x_2 + 3.000000x_3 + 1.000000x_4 + 3.000000x_5 + 1.000000x_6 + 3.000000x_7
    11.0
        +3.000000x_1
                           -1.000000x_3 +3.000000x_4
                                                                -3.000000x_7 -3.000000x_8 -2.00
x_{18}
                                    +1.000000x_4 +1.000000x_5 +1.000000x_6
    11.0
        +1.0000000x_1 +3.0000000x_2
                                                                          -3.000000x_8
x_{19}
    7.0
        x_{20}
    8.0
                 x_{21}
    11.0
        -3.000000x_1
                           +1.000000x_3 -1.000000x_4 +3.000000x_5
                                                                +2.000000x_7
x_{22}
    8.0
                           +2.000000x_3 -1.000000x_4 -1.000000x_5 -3.000000x_6 -2.000000x_7 -1.000000x_8
x_{23}
    14.0
                                              +2.000000x_1 -2.000000x_2 +1.000000x_3
x_{24}
    7.0
        -1.000000x_1 -3.000000x_2 +2.000000x_3 +2.000000x_4 +1.000000x_5
x_{25}
        2.0
x_{26}
x_{27}
    1.0
        +2.000000x_1 +1.000000x_2 -3.000000x_3
                                              -2.000000x_5 -2.000000x_6 -3.000000x_7 -2.000000x_8
    6.0
        +1.000000x_1 -1.000000x_2 -2.000000x_3 +3.000000x_4
                                                       +2.000000x_6
                                                                          +2.000000x_8 - 1.00
x_{28}
    12.0
                  -3.000000x_2 -3.000000x_3 -2.000000x_4 +3.000000x_5
                                                                +1.000000x_7 +1.000000x_8 -2.00
x_{29}
                 3.0
x_{30}
        12.0
x_{31}
    13.0
        +1.000000x_1 - 2.000000x_2 + 1.000000x_3 - 2.000000x_4 - 1.000000x_5 - 2.000000x_6 - 1.000000x_7
x_{32}
                                                       +1.000000x_6 -1.000000x_7 +2.000000x_8 +3.00
    13.0
                           +3.000000x_3 +2.000000x_4
x_{33}
```

 x_2 enters and x_{26} leaves

0.0

```
20.0
     +8.000000x_1 -3.000000x_{26} +2.000000x_3 +3.000000x_4 -2.000000x_5 -5.000000x_6 +3.000000x_7 -7.000000x_8 +5.0000000x_7
x_{14}
  17.0
     x_{15}
  14.0
                +3.000000x_3
                               +1.000000x_6 -1.000000x_7 -3.000000x_8 +3
x_{16}
  5.0
     x_{17}
                                     -3.000000x_7 - 3.0000000x_8 - 2
  11.0
     +3.000000x_1
                -1.000000x_3 + 3.000000x_4
  17.0
    x_{19}
     5.0
x_{20}
  14.0
     +9.000000x_1 -3.000000x_{26}
                          -4.000000x_5 -6.000000x_6 +2.000000x_7 -9.000000x_8 +6
x_{21}
                +1.000000x_3 -1.000000x_4 +3.000000x_5
  11.0
     -3.000000x_1
                                     +2.000000x_7
x_{22}
  8.0
                +2.000000x_3 -1.000000x_4 -1.000000x_5 -3.000000x_6 -2.000000x_7 -1.000000x_8
x_{23}
     10.0
x_{24}
  1.0
    x_{25}
  2.0
     x_2
  3.0
     x_{27}
  4.0
     x_{28}
  6.0
     x_{29}
     9.0
x_{30}
     8.0
x_{31}
     -5.000000x_1 +2.000000x_{26} -1.000000x_3 -4.000000x_4 +1.000000x_5
x_{32}
  9.0
                                     -3.000000x_7 + 4.000000x_8
  13.0
     -1.000000x_1
                +3.000000x_3 +2.000000x_4
                               +1.000000x_6 -1.000000x_7 +2.0000000x_8 +3
x_{33}
     2.0
z
```

 x_1 enters and x_{25} leaves

```
x_{14}
  17.6
x_{15}
x_{16}
14.0
      +3.000000x_3
             4.5
  11.3
  x_{18}
18.0
  -1.000000x_{25}
      +2.000000x_3 +3.000000x_4 +2.000000x_5 +1.000000x_6
                  -3.000000x_8
x_{19}
 4.6
  x_{20}
  x_{21}
14.9
  10.7
x_{22}
 8.0
      +2.000000x_3 - 1.000000x_4 - 1.000000x_5 - 3.000000x_6 - 2.000000x_7 - 1.000000x_8
x_{23}
 9.6
  x_{24}
 0.1
  x_1
 2.3
  x_2
  x_{27}
 3.5
 3.8
  x_{28}
 5.1
  x_{29}
 9.9
  x_{30}
 7.6
  x_{31}
  8.5
x_{32}
x_{\underline{33}}
 12.9
```

 x_3 enters and x_1 leaves

```
x_{14}
   19.0
x_{15}
 17.0
   x_{16}
   x_{17}
   +1.0000000x_{25} -3.000000x_{26} +13.000000x_1 +4.000000x_4 -4.000000x_5 -3.000000x_6 -0.000000x_7
                            -9.000000
 10.0
x_{18}
 20.0
   -3.000000x_{25} + 6.000000x_{26} - 20.000000x_1 + 1.000000x_4 + 10.000000x_5 + 7.000000x_6 - 6.000000x_7 + 9.000000x_6
x_{19}
   1.0
x_{20}
 14.0
      -3.000000x_{26} +9.000000x_{1}
                 -4.000000x_5 -6.000000x_6 +2.000000x_7 -9.000000
x_{21}
 12.0
   x_{22}
x_{23}
   10.0
   9.0
x_{24}
   1.0
x_3
 3.0
   -1.000000x_{25} +2.000000x_{26} -7.000000x_{1}
                 +3.000000x_5 +2.000000x_6 -2.000000x_7 +4.000000
x_2
   1.0
x_{27}
   1.0
x_{28}
   0.0
x_{29}
   13.0
x_{30}
 3.0
   x_{31}
   x_{32}
 8.0
 16.0
   x_{33}
   z
```

 x_5 enters and x_{29} leaves

```
22.0
x_{14}
                                                                                  -2.000000x_{26} + 5.000000x_1 + 1.333333x_4 - 0.333333x_{29} - 4.000000x_6 + 2.333333x_7 - 4.666667x_8
                                     19.0
x_{15}
x_{16}
                 17.0
                                     +1.000000x_{25} -1.000000x_{26} +4.000000x_1 -2.333333x_4 -0.666667x_{29}
                                                                                                                                                                                                                                                                                                    +0.666667x_7 -4.3333333x_8
                                     6.0
                 10.0
                                     -0.3333333x_{25} + 0.3333333x_{26} + 1.666667x_1 + 3.777778x_4 + 0.222222x_{29} + 0.3333333x_6 - 3.555556x_7 - 2.555556x_8 + 0.222222x_{29} + 0.3333333x_6 - 3.555556x_7 - 0.2555556x_8 + 0.222222x_{29} + 0.3333333x_6 - 0.2555556x_7 - 0.2555556x_8 + 0.222222x_{29} + 0.22222x_{29} + 0.232222x_{29} + 0.333333x_6 - 0.2555556x_7 - 0.2555556x_8 + 0.222222x_{29} + 0.22222x_{29} + 0.2222x_{29} + 0.222x_{29} + 0.22x_{29} + 0.22
x_{18}
                 20.0
                                     +0.333333x_{25} - 2.333333x_{26} + 8.333333x_1 + 1.555556x_4 - 0.555556x_{29} - 1.333333x_6 + 2.888889x_7 - 7.111111x_8 + 1.55556x_{29} - 1.333333x_{20} + 1.55556x_{20} - 1.5556x_{20} + 1.5556x_{20} + 1.5556x_{20} + 1.5556x_{20} + 1.5566x_{20} + 1.5666x_{20} + 1.5666x
 x_{19}
                  1.0
                                     -2.000000x_{25} + 4.000000x_{26} - 15.000000x_1
                                                                                                                                                                                                                +1.000000x_{29} +6.000000x_6 -7.000000x_7 +5.000000x_8
x_{20}
                                     x_{21}
                 14.0
                                     +1.333333x_{25} - 2.833333x_{26} + 6.833333x_1 - 1.611111x_4 - 0.388889x_{29} - 2.833333x_6 + 5.222222x_7 - 5.277778x_8 + 5.2777778x_8 + 5.277777777x_8 + 5.27777777x_8 + 5.27777777x_8 + 5.2777777x_8 + 5.2777777x_8 + 5.2777777x_8 + 5.2777777x_8 + 5.2777777x_8 + 5.2777777x_8 + 5.277777x_8 + 5.27777x_8 + 5.2777x_8 + 5.277x_8 + 5.277x_8 + 5.277x_8 + 5.277x_8 + 5.277x_8 + 5.
                 12.0
x_{22}
                                     x_{23}
                 10.0
                   9.0
                                                                                +1.500000x_{26} -2.500000x_{1} -1.166667x_{4} +0.166667x_{29} -1.500000x_{6} -0.666667x_{7} -0.166667x_{8}
x_{24}
                                     1.0
 x_3
                   3.0
                                                                                 -0.500000x_{26} + 1.500000x_1 + 0.166667x_4 - 0.166667x_{29} - 0.500000x_6 + 0.666667x_7 - 0.833333x_8
 x_2
x_{27}
                   1.0
                                     -1.666667x_{25} + 2.166667x_{26} - 6.166667x_1 + 2.388889x_4 + 0.6111111x_{29} + 0.166667x_6 - 5.777778x_7 + 1.722222x_8
                   1.0
                                     x_{28}
 x_5
                   0.0
                                     13.0
                                     x_{30}
x_{31}
                   3.0
                                     8.0
x_{32}
                  16.0
                                     +1.000000x_{25} -1.000000x_{26} +3.000000x_1 -0.333333x_4 -0.666667x_{29}
                                                                                                                                                                                                                                                                                                    +0.666667x_7 +0.666667x_8
x_{33}
                                                                                +0.500000x_{26} -3.500000x_1 -3.500000x_4 -0.500000x_{29} -0.500000x_6 +2.000000x_7 -0.500000x_8
                   5.0
```

 x_7 enters and x_{20} leaves

```
22.3333333333
                                                                                                                                                                                                                                                                                                                                                                                                                                                                     -0.666667x_{25} -0.666667x_{26}
x_{14}
                                                                                                                                                                     -0.539683x_{25} + 1.412698x_{26} - 1.714286x_1 + 2.222222x_4 - 0.285714x_{29} + 4.285714x_6 + 0.063492x_{20} + 3.06666x_{20} + 0.063492x_{20} + 3.06666x_{20} + 0.063492x_{20} + 3.06666x_{20} + 0.063492x_{20} + 0.06349x_{20} + 0.06349x_{20} + 0.06340x_{20} + 0.06040x_{20} + 0.06040
x_{15}
                                             18.9365079365
                                                                                                                                                                    17.0952380952
x_{16}
x_{17}
                                            6.85714285714
                                                                                                                                                                   9.49206349206
 x_{18}
                                            20.4126984127
                                                                                                                                                                     x_{19}
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                +0.142857x_{29} +0.857143x_6 -0.142857x_{20} +0.6677x_{20} +0.677x_{20} +0.677x_
                                       0.142857142857
                                                                                                                                                                   -0.285714x_{25} + 0.571429x_{26} - 2.142857x_1
  x_7
                                                                                                                                                                    -0.888889x_{25} - 0.555556x_{26} + 1.000000x_1 - 0.222222x_4
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    x_{21}
                                           13.777777778
                                                                                                                                                                     12.746031746
 x_{22}
                                            9.74603174603
                                                                                                                                                                   +0.841270x_{25} - 0.849206x_{26} + 3.642857x_1 - 2.611111x_4 - 0.642857x_{29} - 4.357143x_6 + 0.253968x_{20} - 1.0642857x_{29} - 4.357143x_6 + 0.253968x_{20} - 1.0642857x_{29} - 4.357143x_6 + 0.253968x_{20} - 1.0642857x_{20} -
 x_{23}
                                                                                                                                                                   8.90476190476
  x_{24}
                                                                                                                                                                    +0.174603x_{25} - 0.015873x_{26} + 0.142857x_1 - 0.777778x_4 - 0.142857x_{29} + 0.142857x_6 - 0.079365x_{20} - 0.07936x_{20} - 0.0706x_{20} - 0.0706x_{20} - 0.0706x_{20} - 0.0706
                                            1.07936507937
  x_3
                                                                                                                                                                     -0.190476x_{25} - 0.119048x_{26} + 0.071429x_1 + 0.166667x_4 - 0.071429x_{29} + 0.071429x_6 - 0.095238x_{20} - 0.096667x_4 + 0.09667x_4 + 0.09667x_4 + 0.09667x_4 + 0.09667x_4 + 0.096667x_4 + 0.09667x_4 + 0.0967x_4 + 0.0067x_4 + 0.000
   x_2
                                           3.09523809524
                                       0.174603174603
                                                                                                                                                                    x_{27}
                                                                                                                                                                   0.746031746032
 x_{28}
                                       0.126984126984
                                                                                                                                                                   +0.079365x_{25} - 0.325397x_{26} + 0.928571x_1 + 0.055556x_4 + 0.071429x_{29} - 0.071429x_6 - 0.126984x_{20} - 0.071429x_6 + 0.071420x_6 + 0
  x_5
                                           13.4126984127
                                                                                                                                                                     -1.492063x_{25} + 2.317460x_{26} - 8.857143x_1 - 2.444444x_4 - 0.142857x_{29} + 2.142857x_6 - 0.412698x_{20} + 2.142857x_6 - 0.412687x_6 + 2.14287x_6 + 2.
 x_{30}
                                           2.333333333333
                                                                                                                                                                    x_{31}
                                                                                                                                                                   x_{32}
                                            7.61904761905
                                            16.0952380952
                                                                                                                                                                    +0.809524x_{25} - 0.619048x_{26} + 1.571429x_1 - 0.333333x_4 - 0.571429x_{29} + 0.571429x_6 - 0.095238x_{20} + 1.571429x_6 - 0.095238x_{20} + 1.571428x_{20} + 1.
x_{33}
                                           5.28571428571
                                                                                                                                                                     z
```

 x_6 enters and x_{27} leaves

```
22.2603648425
                                                                                                                                                                                                                                                                                                      -0.660033x_{25} - 0.192371x_{26} - 2.597015x_1 + 0.334992x_4 + 0.089552x_{29} + 0.417910x_{27} - 0.678275x_{20} - 0.0678275x_{20} - 0.06
x_{14}
                                                                                 19.0928689884
                                                                                                                                                                                                                                                                                                      -0.553897x_{25} + 0.396352x_{26} + 3.850746x_1 + 4.361526x_4 - 0.477612x_{29} - 0.895522x_{27} + 0.802653x_{20} + 0.80265x_{20} + 0.8026x_{20} + 0.8026x_{20
x_{15}
                                                                                 17.1160862355
                                                                                                                                                                                                                                                                                                      +0.807629x_{25} -0.754561x_{26} +3.313433x_1 -2.048093x_4 -0.597015x_{29} -0.119403x_{27} +0.003317x_{20} -0.003317x_{20} -0.00317x_{20} -0.00007x_{20} -0.0007x_{20} -0.0007x_{20} -0.0007x_{20} -0.0007x_{20} -0.0007x_{20} -0.0007x_{20} -0.0007x_{20} -0.0007x_{20} -0.0007
x_{16}
                                                                                 6.99004975124
                                                                                                                                                                                                                                                                                                      x_{17}
                                                                                 9.39303482587
                                                                                                                                                                                                                                                                                                      x_{18}
                                                                                                                                                                                                                                                                                                      20.4543946932
  x_{19}
                                                                           0.174129353234
                                                                                                                                                                                                                                                                                                      -0.288557x_{25} + 0.368159x_{26} - 1.029851x_1 + 0.427861x_4 + 0.104478x_{29} - 0.179104x_{27} + 0.004975x_{20} + 0.00475x_{20} + 0.
    x_7
                                                                                                                                                                                                                                                                                                      x_{21}
                                                                                        13.631840796
                                                                                 12.8059701493
                                                                                                                                                                                                                                                                                                      -0.164179x_{25} - 0.238806x_{26} - 2.223881x_1 - 0.791045x_4 + 0.283582x_{29} - 0.343284x_{27} - 0.462687x_{20} - 0.262687x_{20} - 0.26267x_{20} - 0.2627x_{20} - 0.2627x_{
x_{22}
x_{23}
                                                                                                                                                                                                                                                                                                      +0.855721x_{25} + 0.184080x_{26} - 2.014925x_1 - 4.786070x_4 - 0.447761x_{29} + 0.910448x_{27} - 0.497512x_{20} + 0.910448x_{20} + 0.91048x_{20} + 0.91048
                                                                                 9.58706467662
                                                                                 8.82918739635
                                                                                                                                                                                                                                                                                                      +0.197347x_{25} + 1.610282x_{26} - 3.761194x_1 - 2.200663x_4 + 0.164179x_{29} + 0.432836x_{27} - 0.262023x_{20} + 0.064179x_{29} + 0.064177x_{29} + 0.06417x_{29} + 0
  x_{24}
                                                                                                                                                                                                                                                                                                      +0.174129x_{25} - 0.049751x_{26} + 0.328358x_1 - 0.706468x_4 - 0.149254x_{29} - 0.029851x_{27} - 0.054726x_{20} - 0.0064751x_{20} - 0.006751x_{20} - 0.006751x_{20} - 0.006751x_{20} - 0.006751x_{20} - 0.006751x_{20} - 0.006751x
    x_3
                                                                                 1.08457711443
                                                                                 3.09784411277
                                                                                                                                                                                                                                                                                                      -0.190713x_{25} - 0.135987x_{26} + 0.164179x_1 + 0.202322x_4 - 0.074627x_{29} - 0.014925x_{27} - 0.082919x_{20} - 0.014925x_{27} - 0.0014925x_{27} - 0.001486x_{27} - 0.001486x_{2
      x_2
                                                                                                                                                                                                                                                                                                      -0.003317x_{25} - 0.237148x_{26} + 1.298507x_1 + 0.499171x_4 - 0.044776x_{29} - 0.208955x_{27} + 0.172471x_{20} - 0.003317x_{25} - 0.003317x_{25} - 0.0037148x_{26} + 0.003714x_{26} + 0.003714x_
    x_6
                                                                     0.0364842454395
                                                                         0.805970149254
                                                                                                                                                                                                                                                                                                      -0.164179x_{25} - 0.238806x_{26} + 2.776119x_1 + 5.208955x_4 + 0.283582x_{29} - 0.343284x_{27} + 0.537313x_{20} + 0.53731x_{20} + 0.53731x_{20
    x_{28}
                                                                         0.124378109453
                                                                                                                                                                                                                                                                                                      +0.079602x_{25} -0.308458x_{26} +0.835821x_1 +0.019900x_4 +0.074627x_{29} +0.014925x_{27} -0.139303x_{20} -0.014925x_{27} +0.014925x_{27} +0.014825x_{27} +0
      x_5
                                                                                                                                                                                                                                                                                                      -1.499171x_{25} + 1.809287x_{26} - 6.074627x_1 - 1.374793x_4 - 0.238806x_{29} - 0.447761x_{27} - 0.043118x_{20} + 0.043118x
                                                                                 13.4908789386
    x_{30}
                                                                                 2.38805970149
                                                                                                                                                                                                                                                                                                      x_{31}
                                                                                 7.51741293532
                                                                                                                                                                                                                                                                                                      x_{32}
                                                                                 16.1160862355
                                                                                                                                                                                                                                                                                                      +0.807629x_{25} - 0.754561x_{26} + 2.313433x_1 - 0.048093x_4 - 0.597015x_{29} - 0.119403x_{27} + 0.003317x_{20} + 0.00317x_{20} + 0.00317x_{20}
x_{33}
                                                                                                                                                                                                                                                                                                      5.33001658375
```

 x_8 enters and x_6 leaves

```
22.1155115512
                                                                                                                                                                                              x_{14}
                                                                                                                                                                                              -0.561056x_{25} - 0.115512x_{26} + 6.653465x_1 + 5.438944x_4 - 0.574257x_{29} - 1.346535x_{27} + 1.174917x_{20} + 1.1747x_{20} +
x_{15}
                                                     19.1716171617
                                                                                                                                                                                              16.8151815182
x_{16}
x_{17}
                                                     6.84158415842
                                                                                                                                                                                              +0.287129x_{25} + 1.029703x_{26} - 2.910891x_1 - 1.712871x_4 + 0.376238x_{29} + 0.089109x_{27} - 0.930693x_{20} + 0.089109x_{27} + 0.080600x_{27} + 0.080000x_{27} + 0.080600x_{27} + 0.080000x_{27} + 0.080600x_{27} + 0.0806000x_{27} + 0.080600x_{27} + 0.0806000x_{27} + 0.080600x_{27} + 0.08060
                                                                                                                                                                                              +0.716172x_{25} + 0.706271x_{26} - 3.881188x_1 - 1.283828x_4 + 0.168317x_{29} + 2.118812x_{27} - 1.240924x_{20} + 0.168317x_{29} + 0.168317x
                                                     9.12211221122
 x_{18}
                                                     20.0462046205
                                                                                                                                                                                              x_{19}
                                                 0.194719471947
                                                                                                                                                                                              x_7
                                                                                                                                                                                              -0.864686x_{25} + 1.174917x_{26} - 8.475248x_1 - 3.864686x_4 + 0.326733x_{29} + 1.524752x_{27} - 1.036304x_{20} + 0.036304x_{20} + 0.03604x_{20} +
x_{21}
                                                     13.5115511551
                                                                                                                                                                                              12.6336633663
 x_{22}
                                                                                                                                                                                              9.63366336634
x_{23}
                                                                                                                                                                                              +0.194719x_{25} +1.422442x_{26} -2.732673x_1 -1.805281x_4 +0.128713x_{29} +0.267327x_{27} -0.125413x_{20} +0.128713x_{20} +0
                                                     8.85808580858
  x_{24}
                                                                                                                                                                                              +0.174917x_{25} + 0.006601x_{26} + 0.019802x_1 - 0.825083x_4 - 0.138614x_{29} + 0.019802x_{27} - 0.095710x_{20} + 0.019802x_{27} - 0.095710x_{20} + 0.019802x_{27} - 0.0095710x_{20} + 0.019802x_{20} + 0.019802
                                                     1.07590759076
  x_3
                                                                                                                                                                                              -0.188119x_{25} + 0.049505x_{26} - 0.851485x_1 - 0.188119x_4 - 0.039604x_{29} + 0.148515x_{27} - 0.217822x_{20} + 0.039604x_{20} + 0.039604x
   x_2
                                                     3.06930693069
                                           0.0726072607261
                                                                                                                                                                                              x_8
                                               0.924092409241
                                                                                                                                                                                              x_{28}
                                           0.0561056105611
                                                                                                                                                                                              x_5
                                                                                                                                                                                              x_{30}
                                                     13.6270627063
                                                     2.87788778878
                                                                                                                                                                                              x_{31}
                                                                                                                                                                                              7.68646864686
x_{32}
                                                                                                                                                                                              +0.801980x_{25} - 1.158416x_{26} + 4.524752x_1 + 0.801980x_4 - 0.673267x_{29} - 0.475248x_{27} + 0.297030x_{20} + 0.001980x_{20} + 0.00180x_{20} + 0
                                                     16.1782178218
x_{33}
                                                     5.35313531353
                                                                                                                                                                                              -0.577558x_{25} + 1.204620x_{26} - 5.386139x_1 - 2.577558x_4 - 0.297030x_{29} - 0.386139x_{27} + 0.033003x_{20} - 0.0386139x_{27} + 0.033003x_{20} - 0.0386139x_{27} + 0.033003x_{20} - 0.0386139x_{27} + 0.033003x_{20} - 0.0386139x_{20} - 0.03861
         z
```

 x_{20} enters and x_5 leaves

```
21.95
                                                                                                       x_{14}
                                                                                                      -0.342857x_{25} + 0.228571x_{26} + 2.600000x_1 + 3.114286x_4 - 0.171429x_{29} - 0.314286x_{27} - 2.542857x_5 + 2.600000x_1 + 3.114286x_4 - 0.171429x_{29} - 0.314286x_{27} - 2.542857x_5 + 2.600000x_1 + 3.114286x_4 - 0.171429x_{29} - 0.314286x_{27} - 2.542857x_5 + 2.600000x_1 + 3.114286x_4 - 0.171429x_{29} - 0.314286x_{27} - 2.542857x_5 + 2.600000x_1 + 3.114286x_4 - 0.171429x_{29} - 0.314286x_{27} - 2.542857x_5 + 2.600000x_1 + 3.114286x_4 - 0.171429x_{29} - 0.314286x_2 - 2.542857x_5 + 2.600000x_1 + 3.114286x_2 - 2.6000000x_1 + 3.114286x_2 - 2.600000x_1 + 3.00000x_1 + 3.000000x_1 + 3.00000x_1 + 3.000000x_1 + 3.000000x_1 + 3.000000x_1 + 3.000000x_1 + 3.000000
x_{15}
                           19.3142857143
                                                                                                     x_{16}
                            16.6428571429
                           6.72857142857
                                                                                                     x_{17}
                           8.97142857143
                                                                                                      +0.485714x_{25} +0.342857x_{26} +0.400000x_1 +1.171429x_4 -0.257143x_{29} +1.028571x_{27} +2.685714x_5 +2.0685714x_5 +2.068571
x_{18}
                                                                                                       19.7857142857
x_{19}
                        0.207142857143
                                                                                                      x_7
                                                                                                       x_{21}
                           13.3857142857
                                                                                                      12.4785714286
x_{22}
x_{23}
                                                                                                     9.6
                           8.84285714286
                                                                                                      x_{24}
                                                                                                      x_3
                            1.06428571429
                                                                                                       -0.228571x_{25} - 0.014286x_{26} - 0.100000x_1 + 0.242857x_4 - 0.114286x_{29} - 0.042857x_{27} + 0.471429x_5 - 0.042857x_{29} - 0.04287x_{29} - 0.04287x_{29} - 0.04287x_{29} 
                          3.04285714286
  x_2
                                                                                                     x_8
                        0.114285714286
                          1.05714285714
                                                                                                      x_{28}
                        0.121428571429
                                                                                                     +0.185714x_{25} + 0.292857x_{26} - 3.450000x_1 - 1.978571x_4 + 0.342857x_{29} + 0.878571x_{27} - 2.164286x_5 + 4.066771x_{29} + 0.0678571x_{29} + 0.067871x_{29} + 0.06771x_{29} + 0.06771x_{29} + 0.06771x_{29}
x_{20}
                                                                                                       13.7
x_{30}
                          3.27142857143
                                                                                                      x_{31}
                           7.77142857143
                                                                                                      x_{32}
                            16.2142857143
                                                                                                      x_{33}
                                                                                                      -0.571429x_{25} + 1.214286x_{26} - 5.500000x_1 - 2.642857x_4 - 0.285714x_{29} - 0.357143x_{27} - 0.071429x_5 - 0.071420x_5 - 0.071420x_5 - 0.071420x_5 - 0.071420x_5 - 0.071420x_5 - 0.071420x_5 - 0
                          5.35714285714
```

 x_{26} enters and x_8 leaves

```
22.0576923077
                                           x_{14}
                                           -0.307692x_{25} - 0.615385x_8 + 3.461538x_1 + 3.307692x_4 - 0.153846x_{29} - 0.384615x_{27} - 3.000000x_5 + 2.26x_1 + 2.26x_2 + 2.26x_2 + 2.26x_3 + 2.26x_3 + 2.26x_4 + 2.26x_3 + 2.26x_3 + 2.26x_4 + 2.26x_4 + 2.26x_3 + 2.26x_4 + 2.26x_
           19.3846153846
x_{15}
                                           16.8846153846
x_{16}
           6.96153846154
                                           x_{17}
                                           9.07692307692
x_{18}
           20.1153846154
                                           x_{19}
                                           0.288461538462
x_7
           13.6538461538
                                           x_{21}
                                           12.6346153846
x_{22}
                                           9.53846153846
x_{23}
                                           9.26923076923
x_{24}
                                           1.05769230769
x_3
                                           x_2
           3.03846153846
          0.307692307692
                                           x_{26}
                                           0.846153846154
x_{28}
          0.211538461538
                                           x_{20}
                                           14.0384615385
x_{30}
           3.03846153846
                                           -0.230769x_{25} + 2.038462x_8 + 1.846154x_1 + 5.230769x_4 + 0.884615x_{29} - 0.038462x_{27} - 5.500000x_5 + 0.96x_1 + 0.96x_2 + 0.96x_3 + 0.96x_4 + 0.96x_3 + 0.96x_4 + 0.96x_4 + 0.96x_3 + 0.96x_4 + 0.96x_
x_{31}
                                           x_{32}
           7.69230769231
           15.8846153846
                                           x_{33}
           5.73076923077
                                           z
```

 x_{-1} enters and Final Dictionary Solution: 5.73076923077 Num Pivots: 9