Read in the following dictionary:

```
-3.0
              +5.00x_1 -6.00x_2 -8.00x_3 -10.00x_4 +6.00x_5 -6.00x_6 -6.00x_7
x_8
      -3.0
              +4.00x_1 +2.00x_2 -3.00x_3
                                                     +3.00x_5 +1.00x_6 +9.00x_7
x_9
      3.0
              +5.00x_1 -3.00x_2 +8.00x_3 +4.00x_4 +8.00x_5 -6.00x_6 +3.00x_7
x_{10}
              +2.00x_1 +6.00x_2 +2.00x_3 -5.00x_4 -1.00x_5
       1.0
x_{11}
      -2.0
             +10.00x_1 - 4.00x_2 + 9.00x_3 + 2.00x_4 - 6.00x_5 + 4.00x_6 - 1.00x_7
x_{12}
x_{13}
      -2.0
              -7.00x_1 -8.00x_2 -6.00x_3 -8.00x_4 -7.00x_5 +1.00x_6 +3.00x_7
      3.0
              -6.00x_1 +8.00x_2 +6.00x_3 +5.00x_4 +7.00x_5 +3.00x_6 -8.00x_7
x_{14}
                                 -5.00x_3 -3.00x_4 +4.00x_5 -1.00x_6 +5.00x_7
      0.0
              -4.00x_1
 z
```

0.1 Initialization Phase: Dual Problem Solving

New Objective in primal was changed to:

$$\max \sum_{j=1}^{7} -x_j$$

Primal variable x_j corresponds to dual variable y_j for j = 1, ..., 14 Dual Dictionary (with objective changed is):

```
-5.00y_8 -4.00y_9 -5.00y_{10} -2.00y_{11} -10.00y_{12} +7.00y_{13} +6.00y_{14}
     1.0
y_1
            +6.00y_8 -2.00y_9 +3.00y_{10} -6.00y_{11} +4.00y_{12} +8.00y_{13} -8.00y_{14}
     1.0
y_2
            +8.00y_8 +3.00y_9 -8.00y_{10} -2.00y_{11} -9.00y_{12} +6.00y_{13} -6.00y_{14}
y_3
     1.0
     1.0
                                  -4.00y_{10} + 5.00y_{11} - 2.00y_{12} + 8.00y_{13} - 5.00y_{14}
y_4
     1.0
            -6.00y_8 -3.00y_9 -8.00y_{10} + 1.00y_{11} +6.00y_{12} +7.00y_{13} -7.00y_{14}
y_5
                                                         -4.00y_{12} -1.00y_{13} -3.00y_{14}
     1.0
            +6.00y_8 -1.00y_9 +6.00y_{10}
y_6
     1.0
                                                         +1.00y_{12} -3.00y_{13} +8.00y_{14}
            +6.00y_8 -9.00y_9 -3.00y_{10}
y_7
            +3.00y_8 +3.00y_9 -3.00y_{10} -1.00y_{11} +2.00y_{12} +2.00y_{13} -3.00y_{14}
```

Unbounded Dictionary! Initialization returns unbounded dual dictionary after 5 pivots

```
0.2083333333333
                           -0.15y_7 + 0.50y_1 -2.44y_{10} +1.56y_{11} +8.52y_{12} -0.56y_5 -5.77y_{14}
y_9
       2.83333333333
                           -2.08y_7 + 20.00y_1 - 61.25y_{10} + 53.75y_{11} + 324.58y_{12} - 19.75y_5 - 249.58y_{14}
y_2
                           -2.73y_7 + 22.50y_1 - 86.19y_{10} + 65.81y_{11} + 355.60y_{12} - 22.81y_5 - 278.85y_{14}
       4.04166666667
y_3
       4.08333333333
                           -2.96y_7 + 27.00y_1 - 94.88y_{10} + 86.13y_{11} + 433.71y_{12} - 27.13y_5 - 333.21y_{14}
y_4
      0.2083333333333
                           -0.15y_7 + 1.50y_1 -5.44y_{10} +4.56y_{11} +24.52y_{12} -1.56y_5 -18.77y_{14}
y_8
       1.91666666667
                           -0.54y_7 +7.00y_1 -19.63y_{10} +21.38y_{11} +110.79y_{12} -7.38y_5 -92.29y_{14}
y_6
            0.125
                           -0.19y_7 \ +1.50y_1 \ -4.56y_{10} \ +4.44y_{11} \ +23.81y_{12} \ -1.44y_5 \ -17.56y_{14}
y_{13}
             1.5
                           -1.25y_7 +9.00y_1 -35.75y_{10} +26.25y_{11} +148.75y_{12} -9.25y_5 -111.75y_{14}
 z
```

Original Problem is Infeasible Infeasible Problem.. Early Exit