Initial Dictionary

x_6	28.0	$-6.00x_1 +9.00x_2 -1.00x_3 -4.00x_4 -6.00x_5$
x_7	-23.0	$+7.00x_1 +9.00x_2 +5.00x_3 -2.00x_4 +4.00x_5$
x_8	1.0	$-7.00x_1 -3.00x_2 +5.00x_3 +7.00x_4 +4.00x_5$
x_9	-1.0	$+2.00x_1 -5.00x_2 +8.00x_3 +6.00x_4 +8.00x_5$
x_{10}	34.0	$-1.00x_1 +1.00x_2 -5.00x_3 -9.00x_4 -6.00x_5$
x_{11}	-16.0	$+8.00x_1 -3.00x_2 +8.00x_3 +3.00x_4 -3.00x_5$
z	0.0	$-2.00x_2 -4.00x_3 -3.00x_4 -3.00x_5$

0.1 Initialization Phase: Dual Problem Solving

New Objective in primal was changed to :

$$\max \sum_{j=1}^{5} -x_j$$

Primal variable x_j corresponds to dual variable y_j for $j = 1, \ldots, 11$ Dual Dictionary (with objective changed is):

y_1	1.0	$+6.00y_6$	$-7.00y_7$	$+7.00y_8$	$-2.00y_9$	$+1.00y_{10}$	$-8.00y_{11}$
y_2	1.0	$-9.00y_6$	$-9.00y_7$	$+3.00y_8$	$+5.00y_9$	$-1.00y_{10}$	$+3.00y_{11}$
y_3	1.0	$+1.00y_6$	$-5.00y_7$	$-5.00y_8$	$-8.00y_9$	$+5.00y_{10}$	$-8.00y_{11}$
y_4	1.0	$+4.00y_6$	$+2.00y_7$	$-7.00y_8$	$-6.00y_9$	$+9.00y_{10}$	$-3.00y_{11}$
y_5	1.0	$+6.00y_6$	$-4.00y_7$	$-4.00y_8$	$-8.00y_9$	$+6.00y_{10}$	$+3.00y_{11}$
z	-0	$-28.00y_6$	$+23.00y_7$	$-1.00y_8$	$+1.00y_9$	$-34.00y_{10}$	$+16.00y_{11}$

Initialization succeeded in finding final dual dictionary with 5 pivots

y_{11}	0.0311890838207	$+1.01y_6$	$+0.07y_2$	$-0.04y_3$	$-0.06y_1$	$+0.33y_{10}$	$-0.79y_9$
y_7	0.12865497076	$-0.85y_6$	$-0.09y_2$	$-0.04y_3$	$+0.01y_1$	$+0.12y_{10}$	$+0.13y_9$
y_8	0.0214424951267	$-0.56y_6$	$-0.02y_2$	$-0.09y_3$	$+0.08y_1$	$+0.35y_{10}$	$-0.48y_9$
y_4	1.01364522417	$+3.19y_6$	$-0.28y_2$	$+0.67y_3$	$-0.40y_1$	$+5.77y_{10}$	$-0.03y_9$
y_5	0.493177387914	$+14.65y_6$	$+0.64y_2$	$+0.42y_3$	$-0.55y_1$	$+5.12y_{10}$	$-8.98y_9$
z	3.43664717349	$-30.92y_6$	$-1.04y_2$	$-1.57y_3$	$-0.82y_1$	$-26.36y_{10}$	$-8.00y_9$

Primal Dictionary is:

x_6	30.918128655	$-1.01x_{11} +0.85x_7 +0.56x_8 -3.19x_4 -14.65x_5$
x_2	1.04483430799	$-0.07x_{11} +0.09x_7 +0.02x_8 +0.28x_4 -0.64x_5$
x_3	1.5730994152	$+0.04x_{11} +0.04x_7 +0.09x_8 -0.67x_4 -0.42x_5$
x_1	0.818713450292	$+0.06x_{11} -0.01x_7 -0.08x_8 +0.40x_4 +0.55x_5$
x_{10}	26.3606237817	$-0.33x_{11} -0.12x_7 -0.35x_8 -5.77x_4 -5.12x_5$
x_9	7.99805068226	$+0.79x_{11} -0.13x_7 +0.48x_8 +0.03x_4 +8.98x_5$
z	-3.43664717349	$-0.03x_{11} -0.13x_7 -0.02x_8 -1.01x_4 -0.49x_5$

Primal Dictionary with original objective is:

x_6	30.918128655	$-1.01x_{11} +0.85x_7 +0.56x_8 -3.19x_4 -14.65x_5$
x_2	1.04483430799	$-0.07x_{11} +0.09x_7 +0.02x_8 +0.28x_4 -0.64x_5$
x_3	1.5730994152	$+0.04x_{11} +0.04x_7 +0.09x_8 -0.67x_4 -0.42x_5$
x_1	0.818713450292	$+0.06x_{11} -0.01x_7 -0.08x_8 +0.40x_4 +0.55x_5$
x_{10}	26.3606237817	$-0.33x_{11} -0.12x_7 -0.35x_8 -5.77x_4 -5.12x_5$
x_9	7.99805068226	$+0.79x_{11} -0.13x_7 +0.48x_8 +0.03x_4 +8.98x_5$
z	-8.3820662768	$-0.03x_{11} -0.36x_7 -0.39x_8 -0.89x_4 -0.06x_5$

Final Dictionary Final dictionary after first LP relaxation solve:

x_6	30.918128655	$-1.01x_{11} +0.85x_7 +0.56x_8 -3.19x_4 -14.65x_5$
x_2	1.04483430799	$-0.07x_{11} +0.09x_7 +0.02x_8 +0.28x_4 -0.64x_5$
x_3	1.5730994152	$+0.04x_{11} +0.04x_7 +0.09x_8 -0.67x_4 -0.42x_5$
x_1	0.818713450292	$+0.06x_{11} -0.01x_7 -0.08x_8 +0.40x_4 +0.55x_5$
x_{10}	26.3606237817	$-0.33x_{11} -0.12x_7 -0.35x_8 -5.77x_4 -5.12x_5$
x_9	7.99805068226	$+0.79x_{11} -0.13x_7 +0.48x_8 +0.03x_4 +8.98x_5$
z	-8.3820662768	$-0.03x_{11} -0.36x_7 -0.39x_8 -0.89x_4 -0.06x_5$

After cutting plane is added

x_6	30.918128655	$-1.01x_{11} +0.85x_7 +0.56x_8 -3.19x_4 -14.65x_5$
x_2	1.04483430799	$-0.07x_{11} +0.09x_7 +0.02x_8 +0.28x_4 -0.64x_5$
x_3	1.5730994152	$+0.04x_{11} +0.04x_7 +0.09x_8 -0.67x_4 -0.42x_5$
x_1	0.818713450292	$+0.06x_{11} -0.01x_7 -0.08x_8 +0.40x_4 +0.55x_5$
x_{10}	26.3606237817	$-0.33x_{11} -0.12x_7 -0.35x_8 -5.77x_4 -5.12x_5$
x_9	7.99805068226	$+0.79x_{11} -0.13x_7 +0.48x_8 +0.03x_4 +8.98x_5$
x_{12}	-0.918128654971	$+0.01x_{11} +0.15x_7 +0.44x_8 +0.19x_4 +0.65x_5$
x_{13}	-0.0448343079922	$+0.07x_{11} +0.91x_7 +0.98x_8 +0.72x_4 +0.64x_5$
x_{14}	-0.573099415205	$+0.96x_{11} +0.96x_7 +0.91x_8 +0.67x_4 +0.42x_5$
x_{15}	-0.818713450292	$+0.94x_{11} +0.01x_7 +0.08x_8 +0.60x_4 +0.45x_5$
x_{16}	-0.360623781676	$+0.33x_{11} +0.12x_7 +0.35x_8 +0.77x_4 +0.12x_5$
x_{17}	-0.998050682261	$+0.21x_{11} +0.13x_7 +0.52x_8 +0.97x_4 +0.02x_5$
z	-8.3820662768	$-0.03x_{11} -0.36x_7 -0.39x_8 -0.89x_4 -0.06x_5$

Forming the dual dictionary:

The Final Dual Dictionary is:

Final primal dictionary obtained:

x_6	9.3023255814	$+2.03x_{17}$	$-1.10x_7$	$+20.98x_2$	$-10.73x_4$	$-1.88x_{12}$
x_8	0.232558139535	$+0.49x_{17}$	$-0.47x_7$	$+1.67x_2$	$-1.26x_4$	$+1.63x_{12}$
x_3	1.25581395349	$+0.34x_{17}$	$-0.01x_7$	$+0.44x_2$	$-1.08x_4$	$-0.21x_{12}$
x_1	1.6976744186	$-0.03x_{17}$	$+0.10x_7$	$-0.98x_2$	$+0.73x_4$	$-0.12x_{12}$
x_{10}	18.7674418605	$+0.51x_{17}$	$-0.53x_7$	$+6.33x_2$	$-7.74x_4$	$-1.63x_{12}$
x_9	22.1162790698	$-0.26x_{17}$	$+0.77x_7$	$-12.16x_2$	$+3.37x_4$	$+1.81x_{12}$
x_5	1.20930232558	$-0.36x_{17}$	$+0.08x_7$	$-1.09x_2$	$+0.57x_4$	$+0.47x_{12}$
x_{13}	1.23255813953	$+0.49x_{17}$	$+0.53x_7$	$+0.67x_2$	$-0.26x_4$	$+1.63x_{12}$
x_{14}	3.97674418605	$+3.65x_{17}$	$+1.05x_7$	$-2.77x_2$	$-1.67x_4$	$-2.16x_{12}$
x_{11}	4.0	$+3.50x_{17}$	$+0.50x_7$	$-4.00x_2$	$-1.50x_4$	$-4.00x_{12}$
x_{15}	3.51162790698	$+3.17x_{17}$	$+0.48x_7$	$-4.12x_2$	$-0.66x_4$	$-3.42x_{12}$
x_{16}	1.18604651163	$+1.29x_{17}$	$+0.13x_7$	$-0.86x_2$	$-0.10x_4$	$-0.70x_{12}$
z	-8.6511627907	$-0.27x_{17}$	$-0.20x_7$	$-0.49x_2$	$-0.38x_4$	$-0.56x_{12}$

After cutting plane is added

x_6	9.3023255814	$+2.03x_{17}$	$-1.10x_7$	$+20.98x_2$	$-10.73x_4$	$-1.88x_{12}$
x_8	0.232558139535	$+0.49x_{17}$	$-0.47x_7$	$+1.67x_2$	$-1.26x_4$	$+1.63x_{12}$
x_3	1.25581395349	$+0.34x_{17}$	$-0.01x_7$	$+0.44x_2$	$-1.08x_4$	$-0.21x_{12}$
x_1	1.6976744186	$-0.03x_{17}$	$+0.10x_7$	$-0.98x_2$	$+0.73x_4$	$-0.12x_{12}$
x_{10}	18.7674418605	$+0.51x_{17}$	$-0.53x_7$	$+6.33x_2$	$-7.74x_4$	$-1.63x_{12}$
x_9	22.1162790698	$-0.26x_{17}$	$+0.77x_7$	$-12.16x_2$	$+3.37x_4$	$+1.81x_{12}$
x_5	1.20930232558	$-0.36x_{17}$	$+0.08x_7$	$-1.09x_2$	$+0.57x_4$	$+0.47x_{12}$
x_{13}	1.23255813953	$+0.49x_{17}$	$+0.53x_7$	$+0.67x_2$	$-0.26x_4$	$+1.63x_{12}$
x_{14}	3.97674418605	$+3.65x_{17}$	$+1.05x_7$	$-2.77x_2$	$-1.67x_4$	$-2.16x_{12}$
x_{11}	4.0	$+3.50x_{17}$	$+0.50x_7$	$-4.00x_2$	$-1.50x_4$	$-4.00x_{12}$
x_{15}	3.51162790698	$+3.17x_{17}$	$+0.48x_7$	$-4.12x_2$	$-0.66x_4$	$-3.42x_{12}$
x_{16}	1.18604651163	$+1.29x_{17}$	$+0.13x_7$	$-0.86x_2$	$-0.10x_4$	$-0.70x_{12}$
x_{18}	-0.302325581395	$+0.97x_{17}$	$+0.10x_7$	$+0.02x_2$	$+0.73x_4$	$+0.88x_{12}$
x_{19}	-0.232558139535	$+0.51x_{17}$	$+0.47x_7$	$+0.33x_2$	$+0.26x_4$	$+0.37x_{12}$
x_{20}	-0.255813953488	$+0.66x_{17}$	$+0.01x_7$	$+0.56x_2$	$+0.08x_4$	$+0.21x_{12}$
x_{21}	-0.697674418605	$+0.03x_{17}$	$+0.90x_7$	$+0.98x_2$	$+0.27x_4$	$+0.12x_{12}$
x_{22}	-0.767441860465	$+0.49x_{17}$	$+0.53x_7$	$+0.67x_2$	$+0.74x_4$	$+0.63x_{12}$
x_{23}	-0.116279069767	$+0.26x_{17}$	$+0.23x_7$	$+0.16x_2$	$+0.63x_4$	$+0.19x_{12}$
x_{24}	-0.209302325581	$+0.36x_{17}$	$+0.92x_7$	$+0.09x_2$	$+0.43x_4$	$+0.53x_{12}$
x_{25}	-0.232558139535	$+0.51x_{17}$	$+0.47x_7$	$+0.33x_2$	$+0.26x_4$	$+0.37x_{12}$
x_{26}	-0.976744186047	$+0.35x_{17}$	$+0.95x_7$	$+0.77x_2$	$+0.67x_4$	$+0.16x_{12}$
x_{27}	-0.511627906977	$+0.83x_{17}$	$+0.52x_7$	$+0.12x_2$	$+0.66x_4$	$+0.42x_{12}$
x_{28}	-0.186046511628	$+0.71x_{17}$	$+0.87x_7$	$+0.86x_2$	$+0.10x_4$	$+0.70x_{12}$
z	-8.6511627907	$-0.27x_{17}$	$-0.20x_7$	$-0.49x_2$	$-0.38x_4$	$-0.56x_{12}$

Forming the dual dictionary:

The Final Dual Dictionary is:

Final primal dictionary obtained:

x_6	9.16666666667	$+3.33x_8$	$+0.83x_{22}$	$+14.83x_2$	$-7.17x_4$	$-7.83x_{12}$
x_{20}	0.0714285714286	$+0.71x_8$	$+0.64x_{22}$	$-1.07x_2$	$+0.50x_4$	$-1.36x_{12}$
x_3	1.40476190476	$+0.38x_8$	$+0.31x_{22}$	$-0.40x_2$	$-0.83x_4$	$-1.02x_{12}$
x_1	1.78571428571	$-0.14x_8$	$+0.07x_{22}$	$-0.79x_2$	$+0.50x_4$	$+0.07x_{12}$
x_{10}	18.4761904762	$+1.10x_8$	$-0.05x_{22}$	$+4.52x_2$	$-6.33x_4$	$-3.38x_{12}$
x_9	22.7619047619	$-1.05x_8$	$+0.52x_{22}$	$-10.76x_2$	$+1.67x_4$	$+3.19x_{12}$
x_5	1.11904761905	$-0.48x_8$	$-0.26x_{22}$	$-0.12x_2$	$+0.17x_4$	$+1.40x_{12}$
x_{13}	2.0	$+0.00x_8$	$+1.00x_{22}$	$-0.00x_2$	$-1.00x_4$	$+1.00x_{12}$
x_{14}	6.7619047619	$+2.95x_8$	$+4.52x_{22}$	$-10.76x_2$	$-1.33x_4$	$-9.81x_{12}$
x_{11}	6.16666666667	$+3.33x_8$	$+3.83x_{22}$	$-12.17x_2$	$-0.17x_4$	$-11.83x_{12}$
x_{15}	5.5	$+3.00x_8$	$+3.50x_{22}$	$-11.50x_2$	$+0.50x_4$	$-10.50x_{12}$
x_{16}	1.92857142857	$+1.29x_8$	$+1.36x_{22}$	$-3.93x_2$	$+0.50x_4$	$-3.64x_{12}$
x_{17}	0.47619047619	$+1.10x_8$	$+0.95x_{22}$	$-2.48x_2$	$+0.67x_4$	$-2.38x_{12}$
x_7	1.0	$-1.00x_8$	$+1.00x_{22}$	$+1.00x_2$	$-2.00x_4$	$+1.00x_{12}$
x_{18}	0.261904761905	$+0.95x_8$	$+1.02x_{22}$	$-2.26x_2$	$+1.17x_4$	$-1.31x_{12}$
x_{19}	0.47619047619	$+0.10x_8$	$+0.95x_{22}$	$-0.48x_2$	$-0.33x_4$	$-0.38x_{12}$
x_{21}	0.214285714286	$-0.86x_8$	$+0.93x_{22}$	$+1.79x_2$	$-1.50x_4$	$+0.93x_{12}$
x_{23}	0.238095238095	$+0.05x_8$	$+0.48x_{22}$	$-0.24x_2$	$+0.33x_4$	$-0.19x_{12}$
x_{24}	0.880952380952	$-0.52x_8$	$+1.26x_{22}$	$+0.12x_2$	$-1.17x_4$	$+0.60x_{12}$
x_{25}	0.47619047619	$+0.10x_8$	$+0.95x_{22}$	$-0.48x_2$	$-0.33x_4$	$-0.38x_{12}$
x_{26}	0.142857142857	$-0.57x_8$	$+1.29x_{22}$	$+0.86x_2$	$-1.00x_4$	$+0.29x_{12}$
x_{27}	0.404761904762	$+0.38x_8$	$+1.31x_{22}$	$-1.40x_2$	$+0.17x_4$	$-1.02x_{12}$
x_{28}	1.02380952381	$-0.10x_8$	$+1.55x_{22}$	$-0.02x_2$	$-1.17x_4$	$-0.12x_{12}$
z	-8.97619047619	$-0.10x_8$	$-0.45x_{22}$	$-0.02x_2$	$-0.17x_4$	$-0.12x_{12}$

After cutting plane is added

x_6	9.16666666667	$+3.33x_8 +0.83x_{22} +14.83x_2 -7.17x_4 -7.83x_{12}$
x_{20}	0.0714285714286	$+0.71x_8 +0.64x_{22} -1.07x_2 +0.50x_4 -1.36x_{12}$
x_3	1.40476190476	$+0.38x_8 +0.31x_{22} -0.40x_2 -0.83x_4 -1.02x_{12}$
x_1	1.78571428571	$-0.14x_8 +0.07x_{22} -0.79x_2 +0.50x_4 +0.07x_{12}$
x_{10}	18.4761904762	$+1.10x_8 -0.05x_{22} +4.52x_2 -6.33x_4 -3.38x_{12}$
x_9	22.7619047619	$-1.05x_8 +0.52x_{22} -10.76x_2 +1.67x_4 +3.19x_{12}$
x_5	1.11904761905	$-0.48x_8 -0.26x_{22} -0.12x_2 +0.17x_4 +1.40x_{12}$
x_{13}	2.0	$+0.00x_8 +1.00x_{22} -0.00x_2 -1.00x_4 +1.00x_{12}$
x_{14}	6.7619047619	$+2.95x_8 +4.52x_{22} -10.76x_2 -1.33x_4 -9.81x_{12}$
x_{11}	6.16666666667	$+3.33x_8 +3.83x_{22} -12.17x_2 -0.17x_4 -11.83x_{12}$
x_{15}	5.5	$+3.00x_8 +3.50x_{22} -11.50x_2 +0.50x_4 -10.50x_{12}$
x_{16}	1.92857142857	$+1.29x_8 +1.36x_{22} -3.93x_2 +0.50x_4 -3.64x_{12}$
x_{17}	0.47619047619	$+1.10x_8 +0.95x_{22} -2.48x_2 +0.67x_4 -2.38x_{12}$
x_7	1.0	$-1.00x_8 +1.00x_{22} +1.00x_2 -2.00x_4 +1.00x_{12}$
x_{18}	0.261904761905	$+0.95x_8 +1.02x_{22} -2.26x_2 +1.17x_4 -1.31x_{12}$
x_{19}	0.47619047619	$+0.10x_8 +0.95x_{22} -0.48x_2 -0.33x_4 -0.38x_{12}$
x_{21}	0.214285714286	$-0.86x_8 +0.93x_{22} +1.79x_2 -1.50x_4 +0.93x_{12}$
x_{23}	0.238095238095	$+0.05x_8 +0.48x_{22} -0.24x_2 +0.33x_4 -0.19x_{12}$
x_{24}	0.880952380952	$-0.52x_8 +1.26x_{22} +0.12x_2 -1.17x_4 +0.60x_{12}$
x_{25}	0.47619047619	$+0.10x_8 +0.95x_{22} -0.48x_2 -0.33x_4 -0.38x_{12}$
x_{26}	0.142857142857	$-0.57x_8 +1.29x_{22} +0.86x_2 -1.00x_4 +0.29x_{12}$
x_{27}	0.404761904762	$+0.38x_8 +1.31x_{22} -1.40x_2 +0.17x_4 -1.02x_{12}$
x_{28}	1.02380952381	$-0.10x_8 +1.55x_{22} -0.02x_2 -1.17x_4 -0.12x_{12}$
x_{29}	-0.166666666667	$+0.67x_8 +0.17x_{22} +0.17x_2 +0.17x_4 +0.83x_{12}$
x_{30}	-0.0714285714286	$+0.29x_8 +0.36x_{22} +0.07x_2 +0.50x_4 +0.36x_{12}$
x_{31}	-0.404761904762	$+0.62x_8 +0.69x_{22} +0.40x_2 +0.83x_4 +0.02x_{12}$
x_{32}	-0.785714285714	$+0.14x_8 +0.93x_{22} +0.79x_2 +0.50x_4 +0.93x_{12}$
x_{33}	-0.47619047619	$+0.90x_8 +0.05x_{22} +0.48x_2 +0.33x_4 +0.38x_{12}$
x_{34}	-0.761904761905	$+0.05x_8 +0.48x_{22} +0.76x_2 +0.33x_4 +0.81x_{12}$
x_{35}	-0.119047619048	$+0.48x_8 +0.26x_{22} +0.12x_2 +0.83x_4 +0.60x_{12}$
x_{36}	-0.761904761905	$+0.05x_8 +0.48x_{22} +0.76x_2 +0.33x_4 +0.81x_{12}$
x_{37}	-0.166666666667	$+0.67x_8 +0.17x_{22} +0.17x_2 +0.17x_4 +0.83x_{12}$
x_{38}	-0.5	$+1.00x_8 +0.50x_{22} +0.50x_2 +0.50x_4 +0.50x_{12}$
x_{39}	-0.928571428571	$+0.71x_8 +0.64x_{22} +0.93x_2 +0.50x_4 +0.64x_{12}$
x_{40}	-0.47619047619	$+0.90x_8 +0.05x_{22} +0.48x_2 +0.33x_4 +0.38x_{12}$
x_{41}	-0.261904761905	$+0.05x_8 +0.98x_{22} +0.26x_2 +0.83x_4 +0.31x_{12}$
x_{42}	-0.47619047619	$+0.90x_8 +0.05x_{22} +0.48x_2 +0.33x_4 +0.38x_{12}$
x_{43}	-0.214285714286	$+0.86x_8 +0.07x_{22} +0.21x_2 +0.50x_4 +0.07x_{12}$
x_{44}	-0.238095238095	$+0.95x_8 +0.52x_{22} +0.24x_2 +0.67x_4 +0.19x_{12}$
x_{45}	-0.880952380952	$+0.52x_8 +0.74x_{22} +0.88x_2 +0.17x_4 +0.40x_{12}$
x_{46}	-0.47619047619	$+0.90x_8 +0.05x_{22} +0.48x_2 +0.33x_4 +0.38x_{12}$
x_{47}	-0.142857142857	$+0.57x_8 +0.71x_{22} +0.14x_2 +1.00x_4 +0.71x_{12}$
x_{48}	-0.404761904762	$+0.62x_8 +0.69x_{22} +0.40x_2 +0.83x_4 +0.02x_{12}$
x_{49}	-0.0238095238095	$+0.10x_8 +0.45x_{22} +0.02x_2 +0.17x_4 +0.12x_{12}$
z	-8.97619047619	$-0.10x_8 -0.45x_{22} -0.02x_2 -0.17x_4 -0.12x_{12}$

Forming the dual dictionary:

The Final Dual Dictionary is:

Final primal dictionary obtained:

x_6	17.8909090909	$+26.00x_{17}$	$+18.27x_{26}$	$-39.84x_{27}$	$+9.96x_{34}$	$-2.91x_4$
x_{11}	0.945454545455	$+3.00x_{17}$	$+0.64x_{26}$	$+1.58x_{27}$	$-4.02x_{34}$	$-0.45x_4$
x_{31}	0.690909090909	$+1.00x_{17}$	$+0.27x_{26}$	$-1.04x_{27}$	$+1.56x_{34}$	$+0.09x_4$
x_1	1.25454545455	$-1.00x_{17}$	$-0.64x_{26}$	$+1.62x_{27}$	$-0.58x_{34}$	$+0.45x_4$
x_{10}	20.8545454545	$+9.00x_{17}$	$+6.36x_{26}$	$-13.78x_{27}$	$+2.62x_{34}$	$-4.55x_4$
x_9	17.4727272727	$-15.00x_{17}$	$-11.18x_{26}$	$+24.29x_{27}$	$-5.51x_{34}$	$-1.73x_4$
x_5	0.909090909091	$-2.00x_{17}$	$-1.27x_{26}$	$+2.64x_{27}$	$-0.36x_{34}$	$-0.09x_4$
x_{13}	2.45454545455	$-1.00x_{17}$	$-0.64x_{26}$	$+1.82x_{27}$	$+0.82x_{34}$	$-1.55x_4$
x_{14}	2.49090909091	$+2.00x_{17}$	$+0.27x_{26}$	$+2.76x_{27}$	$-2.84x_{34}$	$-1.91x_4$
x_3	1.38181818182	$+1.00x_{17}$	$+0.55x_{26}$	$-1.07x_{27}$	$+0.13x_{34}$	$-0.82x_4$
x_8	1.34545454545	$+1.00x_{17}$	$-0.36x_{26}$	$-1.02x_{27}$	$+1.78x_{34}$	$-1.45x_4$
x_{16}	0.6	$+1.00x_{17}$	$+0.00x_{26}$	$+0.60x_{27}$	$-0.80x_{34}$	$+0.00x_4$
x_{15}	0.6	$+2.00x_{17}$	$-0.00x_{26}$	$+2.60x_{27}$	$-3.80x_{34}$	$+0.00x_4$
x_7	0.581818181818	$-1.00x_{17}$	$+0.55x_{26}$	$+1.13x_{27}$	$-0.47x_{34}$	$-0.82x_4$
x_{29}	1.12727272727	$+0.00x_{17}$	$-0.82x_{26}$	$+0.31x_{27}$	$+1.71x_{34}$	$-1.27x_4$
x_{19}	0.327272727273	$-0.00x_{17}$	$+0.18x_{26}$	$+0.51x_{27}$	$+0.11x_{34}$	$-0.27x_4$
x_{21}	0.327272727273	$+0.00x_{17}$	$+1.18x_{26}$	$-0.49x_{27}$	$+0.11x_{34}$	$-0.27x_4$
x_{23}	0.163636363636	$+0.00x_{17}$	$+0.09x_{26}$	$+0.25x_{27}$	$+0.05x_{34}$	$+0.36x_4$
x_{24}	0.563636363636	$-1.00x_{17}$	$+0.09x_{26}$	$+1.65x_{27}$	$-0.15x_{34}$	$-0.64x_4$
x_{25}	0.327272727273	$-0.00x_{17}$	$+0.18x_{26}$	$+0.51x_{27}$	$+0.11x_{34}$	$-0.27x_4$
x_{22}	0.0909090909091	$+0.00x_{17}$	$+0.27x_{26}$	$+0.36x_{27}$	$+0.36x_{34}$	$+0.09x_4$
x_{12}	0.363636363636	$-1.00x_{17}$	$-0.91x_{26}$	$+1.45x_{27}$	$+0.45x_{34}$	$-0.64x_4$
x_{28}	0.981818181818	$+0.00x_{17}$	$+0.55x_{26}$	$+0.53x_{27}$	$+0.33x_{34}$	$-0.82x_4$
x_2	0.472727272727	$+1.00x_{17}$	$+0.82x_{26}$	$-1.71x_{27}$	$+0.49x_{34}$	$+0.27x_4$
x_{30}	0.509090909091	$+0.00x_{17}$	$-0.27x_{26}$	$+0.24x_{27}$	$+0.84x_{34}$	$-0.09x_4$
x_{20}	0.0909090909091	$+1.00x_{17}$	$+0.27x_{26}$	$-0.64x_{27}$	$+0.36x_{34}$	$+0.09x_4$
x_{18}	0.0909090909091	$-0.00x_{17}$	$-0.73x_{26}$	$+1.36x_{27}$	$+0.36x_{34}$	$+0.09x_4$
x_{33}	1.10909090909	$+1.00x_{17}$	$-0.27x_{26}$	$-1.16x_{27}$	$+2.04x_{34}$	$-1.09x_4$
x_{32}	0.2	$+0.00x_{17}$	$+0.00x_{26}$	$+0.20x_{27}$	$+1.40x_{34}$	$-0.00x_4$
x_{35}	0.818181818182	$+0.00x_{17}$	$-0.55x_{26}$	$+0.27x_{27}$	$+1.27x_{34}$	$-0.18x_4$
x_{36}	$-5.04873920448e-14$	$-0.00x_{17}$	$-0.00x_{26}$	$-0.00x_{27}$	$+1.00x_{34}$	$+0.00x_4$
x_{37}	1.12727272727	$+0.00x_{17}$	$-0.82x_{26}$	$+0.31x_{27}$	$+1.71x_{34}$	$-1.27x_4$
x_{38}	1.30909090909	$+1.00x_{17}$	$-0.27x_{26}$	$-0.96x_{27}$	$+2.44x_{34}$	$-1.09x_4$
x_{39}	0.763636363636	$+1.00x_{17}$	$+0.09x_{26}$	$-1.15x_{27}$	$+2.25x_{34}$	$-0.64x_4$
x_{40}	1.10909090909	$+1.00x_{17}$	$-0.27x_{26}$	$-1.16x_{27}$	$+2.04x_{34}$	$-1.09x_4$
x_{41}	0.127272727273	$+0.00x_{17}$	$+0.18x_{26}$	$+0.31x_{27}$	$+0.71x_{34}$	$+0.73x_4$
x_{42}	1.10909090909	$+1.00x_{17}$	$-0.27x_{26}$	$-1.16x_{27}$	$+2.04x_{34}$	$-1.09x_4$
x_{43}	1.07272727273	$+1.00x_{17}$	$-0.18x_{26}$	$-1.11x_{27}$	$+1.69x_{34}$	$-0.73x_4$
x_{44}	1.27272727273	$+1.00x_{17}$	$-0.18x_{26}$	$-0.91x_{27}$	$+2.09x_{34}$	$-0.73x_4$
x_{45}	0.454545454545	$+1.00x_{17}$	$+0.36x_{26}$	$-1.18x_{27}$	$+1.82x_{34}$	$-0.55x_4$
x_{46}	1.10909090909	$+1.00x_{17}$	$-0.27x_{26}$	$-1.16x_{27}$	$+2.04x_{34}$	$-1.09x_4$
x_{47}	1.01818181818	$+0.00x_{17}$	$-0.55x_{26}$	$+0.47x_{27}$	$+1.67x_{34}$	$-0.18x_4$
x_{48}	0.690909090909	$+1.00x_{17}$	$+0.27x_{26}$	$-1.04x_{27}$	$+1.56x_{34}$	$+0.09x_4$
x_{49}	0.2	$-0.00x_{17}$	$-0.00x_{26}$	$+0.20x_{27}$	$+0.40x_{34}$	$+0.00x_4$
z	-9.2	$-0.00x_{17}$	$-0.00x_{26}$	$-0.20x_{27}$	$-0.40x_{34}$	$+0.00x_4$

After cutting plane is added

x_6	17.8909090909	$+26.00x_{17}$	$+18.27x_{26}$	$-39.84x_{27}$	$+9.96x_{34}$	$-2.91x_4$
x_{11}	0.945454545455	$+3.00x_{17}$	$+0.64x_{26}$	$+1.58x_{27}$	$-4.02x_{34}$	$-0.45x_4$
x_{31}	0.690909090909	$+1.00x_{17}$	$+0.27x_{26}$	$-1.04x_{27}$	$+1.56x_{34}$	$+0.09x_4$
x_1	1.25454545455	$-1.00x_{17}$	$-0.64x_{26}$	$+1.62x_{27}$	$-0.58x_{34}$	$+0.45x_4$
x_{10}	20.8545454545	$+9.00x_{17}$	$+6.36x_{26}$	$-13.78x_{27}$	$+2.62x_{34}$	$-4.55x_4$
x_9	17.4727272727	$-15.00x_{17}$	$-11.18x_{26}$	$+24.29x_{27}$	$-5.51x_{34}$	$-1.73x_4$
x_5	0.909090909091	$-2.00x_{17}$	$-1.27x_{26}$	$+2.64x_{27}$	$-0.36x_{34}$	$-0.09x_4$
x_{13}	2.45454545455	$-1.00x_{17}$	$-0.64x_{26}$	$+1.82x_{27}$	$+0.82x_{34}$	$-1.55x_4$
x_{14}	2.49090909091	$+2.00x_{17}$	$+0.27x_{26}$	$+2.76x_{27}$	$-2.84x_{34}$	$-1.91x_4$
x_3	1.38181818182	$+1.00x_{17}$	$+0.55x_{26}$	$-1.07x_{27}$	$+0.13x_{34}$	$-0.82x_4$
x_8	1.34545454545	$+1.00x_{17}$	$-0.36x_{26}$	$-1.02x_{27}$	$+1.78x_{34}$	$-1.45x_4$
x_{16}	0.6	$+1.00x_{17}$	$+0.00x_{26}$	$+0.60x_{27}$	$-0.80x_{34}$	$+0.00x_4$
x_{15}	0.6	$+2.00x_{17}$	$-0.00x_{26}$	$+2.60x_{27}$	$-3.80x_{34}$	$+0.00x_4$
x_7	0.581818181818	$-1.00x_{17}$	$+0.55x_{26}$	$+1.13x_{27}$	$-0.47x_{34}$	$-0.82x_4$
x_{29}	1.12727272727	$+0.00x_{17}$	$-0.82x_{26}$	$+0.31x_{27}$	$+1.71x_{34}$	$-1.27x_4$
x_{19}	0.327272727273	$-0.00x_{17}$	$+0.18x_{26}$	$+0.51x_{27}$	$+0.11x_{34}$	$-0.27x_4$
x_{21}	0.327272727273	$+0.00x_{17}$	$+1.18x_{26}$	$-0.49x_{27}$	$+0.11x_{34}$	$-0.27x_4$
x_{23}	0.163636363636	$+0.00x_{17}$	$+0.09x_{26}$	$+0.25x_{27}$	$+0.05x_{34}$	$+0.36x_4$
x_{24}	0.563636363636	$-1.00x_{17}$	$+0.09x_{26}$	$+1.65x_{27}$	$-0.15x_{34}$	$-0.64x_4$
x_{25}	0.327272727273	$-0.00x_{17}$	$+0.18x_{26}$	$+0.51x_{27}$	$+0.11x_{34}$	$-0.27x_4$
x_{22}	0.0909090909091	$+0.00x_{17}$	$+0.27x_{26}$	$+0.36x_{27}$	$+0.36x_{34}$	$+0.09x_4$
x_{12}	0.363636363636	$-1.00x_{17}$	$-0.91x_{26}$	$+1.45x_{27}$	$+0.45x_{34}$	$-0.64x_4$
x_{28}	0.981818181818	$+0.00x_{17}$	$+0.55x_{26}$	$+0.53x_{27}$	$+0.33x_{34}$	$-0.82x_4$
x_2	0.472727272727	$+1.00x_{17}$	$+0.82x_{26}$	$-1.71x_{27}$	$+0.49x_{34}$	$+0.27x_4$
x_{30}	0.509090909091	$+0.00x_{17}$	$-0.27x_{26}$	$+0.24x_{27}$	$+0.84x_{34}$	$-0.09x_4$
x_{20}	0.0909090909091	$+1.00x_{17}$	$+0.27x_{26}$	$-0.64x_{27}$	$+0.36x_{34}$	$+0.09x_4$
x_{18}	0.0909090909091	$-0.00x_{17}$	$-0.73x_{26}$	$+1.36x_{27}$	$+0.36x_{34}$	$+0.09x_4$
x_{33}	1.10909090909	$+1.00x_{17}$	$-0.27x_{26}$	$-1.16x_{27}$	$+2.04x_{34}$	$-1.09x_4$
x_{32}	0.2	$+0.00x_{17}$	$+0.00x_{26}$	$+0.20x_{27}$	$+1.40x_{34}$	$-0.00x_4$
x_{35}	0.818181818182	$+0.00x_{17}$	$-0.55x_{26}$	$+0.27x_{27}$	$+1.27x_{34}$	$-0.18x_4$
x_{36}	$-5.04873920448e-14$	$-0.00x_{17}$	$-0.00x_{26}$	$-0.00x_{27}$	$+1.00x_{34}$	$+0.00x_4$
x_{37}	1.12727272727	$+0.00x_{17}$	$-0.82x_{26}$	$+0.31x_{27}$	$+1.71x_{34}$	$-1.27x_4$
x_{38}	1.30909090909	$+1.00x_{17}$	$-0.27x_{26}$	$-0.96x_{27}$	$+2.44x_{34}$	$-1.09x_4$
x_{39}	0.763636363636	$+1.00x_{17}$	$+0.09x_{26}$	$-1.15x_{27}$	$+2.25x_{34}$	$-0.64x_4$
x_{40}	1.10909090909	$+1.00x_{17}$	$-0.27x_{26}$	$-1.16x_{27}$	$+2.04x_{34}$	$-1.09x_4$
x_{41}	0.127272727273	$+0.00x_{17}$	$+0.18x_{26}$	$+0.31x_{27}$	$+0.71x_{34}$	$+0.73x_4$
x_{42}	1.10909090909	$+1.00x_{17}$	$-0.27x_{26}$	$-1.16x_{27}$	$+2.04x_{34}$	$-1.09x_4$
x_{43}	1.07272727273	$+1.00x_{17}$	$-0.18x_{26}$	$-1.11x_{27}$	$+1.69x_{34}$	$-0.73x_4$
x_{44}	1.27272727273	$+1.00x_{17}$	$-0.18x_{26}$	$-0.91x_{27}$	$+2.09x_{34}$	$-0.73x_4$
x_{45}	0.454545454545	$+1.00x_{17}$	$+0.36x_{26}$	$-1.18x_{27}$	$+1.82x_{34}$	$-0.55x_4$
x_{46}	1.10909090909	$+1.00x_{17}$	$-0.27x_{26}$	$-1.16x_{27}$	$+2.04x_{34}$	$-1.09x_4$
x_{47}	1.01818181818	$+0.00x_{17}$	$-0.55x_{26}$	$+0.47x_{27}$	$+1.67x_{34}$	$-0.18x_4$
x_{48}	0.690909090909	$+1.00x_{17}$	$+0.27x_{26}$	$-1.04x_{27}$	$+1.56x_{34}$	$+0.09x_4$
x_{49}	0.2	$-0.00x_{17}$	$-0.00x_{26}$	$+0.20x_{27}$	$+0.40x_{34}$	$+0.00x_4$
x_{50}	-0.890909090909	$+1.00x_{17}$	$+0.73x_{26}$	$+0.84x_{27}$	$+0.04x_{34}$	$+0.91x_4$
x_{51}	-0.945454545455	$+0.00x_{17}$	$+0.36x_{26}$	$+0.42x_{27}$	$+0.02x_{34}$	$+0.45x_4$
x_{52}	-0.690909090909	$+1.00x_{17}$	$+0.73x_{26}$	$+0.04x_{27}$	$+0.44x_{34}$	$+0.91x_4$
x_{53}	-0.254545454545	$+0.00x_{17}$	$+0.64x_{26}$	$+0.38x_{27}$	$+0.58x_{34}$	$+0.55x_4$
x_{54}	-0.854545454545	$+1.00x_{17}$	$+0.64x_{26}$	$+0.78x_{27}$	$+0.38x_{34}$	$+0.55x_4$
x_{55}	-0.472727272727	$+0.00x_{17}$	$+0.18x_{26}$	$+0.71x_{27}$	$+0.51x_{34}$	$+0.73x_4$
x_{56}	-0.909090909091	$+0.00x_{17}$	$+0.27x_{26}$	$+0.36x_{27}$	$+0.36x_{34}$	$+0.09x_4$
x_{57}	-0.454545454545	$+1.00x_{17}$	$+0.64x_{26}$	$+0.18x_{27}$	$+0.18x_{34}$	$+0.55x_4$
x_{58}	-0.490909090909	$+0.00x_{17}$	$+0.73x_{26}$	$+0.24x_{27}$	$+0.84x_{34}$	$+0.91x_4$
x_{59}	-0.381818181818	$+1.00x_{17}$	$+0.45x_{26}$	$+0.07x_{27}$	$+0.87x_{34}$	$+0.82x_4$
x_{60}	-0.345454545455	$+1.00x_{17}$	$+0.36x_{26}$	$+0.02x_{27}$	$+0.22x_{34}$	$+0.45x_4$
x_{61}	-0.6	$+0.00x_{17}$	$+1.00x_{26}$	$+0.40x_{27}$	$+0.80x_{34}$	$+1.00x_4$
x_{62}	-0.6	$+0.00x_{17}$	$+0.00x_{26}$	$+0.40x_{27}$	$+0.80x_{34}$	$+1.00x_4$
x_{63}	-0.581818181818	$+1.00x_{17}$	$+0.45x_{26}$	$+0.87x_{27}$	$+0.47x_{34}$	$+0.82x_4$
x_{64}	-0.127272727273	$+1.00x_{17}$	$+0.82x_{26}$	$+0.69x_{27}$	$+0.29x_{34}$	$+0.27x_4$

Forming the dual dictionary:

The Final Dual Dictionary is:

Final primal dictionary obtained:

x_6	19.4246575342	$+9.57x_{56} -4.18x_{17} -20.22x_{12} -5.77x_{62} +9.97x_{33}$
x_8	0.109589041096	$+0.08x_{56} +0.18x_{17} +0.14x_{12} -0.33x_{62} +0.96x_{33}$
x_{31}	0.671232876712	$+0.25x_{56} -0.03x_{17} -0.41x_{12} +0.49x_{62} +0.62x_{33}$
x_1	1.3698630137	$-0.47x_{56} +0.23x_{17} +0.71x_{12} +0.39x_{62} -0.51x_{33}$
x_{10}	21.0273972603	$+5.52x_{56} -1.21x_{17} -6.47x_{12} -5.08x_{62} +3.74x_{33}$
x_9	16.3561643836	$-3.23x_{56} +3.33x_{17} +12.95x_{12} +0.93x_{62} -5.38x_{33}$
x_5	0.739726027397	$-0.45x_{56} -0.05x_{17} +1.42x_{12} +0.28x_{62} -0.53x_{33}$
x_{13}	2.93150684932	$+1.70x_{56} +0.01x_{17} +1.16x_{12} -0.79x_{62} +0.15x_{33}$
x_{14}	4.58904109589	$+3.19x_{56} +4.08x_{17} +0.99x_{12} -2.77x_{62} -1.10x_{33}$
x_3	1.43835616438	$+0.83x_{56} +0.21x_{17} -0.45x_{12} -0.82x_{62} +0.34x_{33}$
x_{15}	1.95890410959	$+0.72x_{56} +4.31x_{17} +0.70x_{12} -1.38x_{62} -1.61x_{33}$
x_{16}	0.931506849315	$+0.20x_{56} +1.51x_{17} +0.16x_{12} -0.29x_{62} -0.35x_{33}$
x_{11}	2.52054794521	$+1.39x_{56} +4.60x_{17} +0.15x_{12} -2.06x_{62} -1.45x_{33}$
x_7	2.39726027397	$+2.55x_{56} -0.48x_{17} +0.25x_{12} -1.19x_{62} -0.27x_{33}$
x_{29}	0.191780821918	$+0.14x_{56} +0.06x_{17} +0.74x_{12} -0.08x_{62} +0.68x_{33}$
x_{19}	1.1095890411	$+1.08x_{56} +0.18x_{17} +0.14x_{12} -0.33x_{62} -0.04x_{33}$
x_{21}	2.09589041096	$+2.32x_{56} -0.72x_{17} -0.63x_{12} -0.79x_{62} +0.09x_{33}$
x_{23}	0.58904109589	$+0.19x_{56} +0.08x_{17} -0.01x_{12} +0.23x_{62} -0.10x_{33}$
x_{24}	2.08219178082	$+2.06x_{56} -0.12x_{17} +0.60x_{12} -0.75x_{62} -0.28x_{33}$
x_{25}	1.1095890411	$+1.08x_{56} +0.18x_{17} +0.14x_{12} -0.33x_{62} -0.04x_{33}$
x_{22}	1.0	$+1.00x_{56} +0.00x_{17} +0.00x_{12} -0.00x_{62} -0.00x_{33}$
x_{27}	0.86301369863	$+0.90x_{56} +0.53x_{17} +0.33x_{12} -0.09x_{62} -0.20x_{33}$
x_{28}	2.46575342466	$+2.35x_{56} +0.01x_{17} +0.08x_{12} -0.90x_{62} +0.08x_{33}$
x_2	0.643835616438	$+0.23x_{56} -0.33x_{17} -0.95x_{12} +0.07x_{62} +0.38x_{33}$
x_{30}	0.397260273973	$+0.05x_{56} +0.02x_{17} +0.25x_{12} +0.31x_{62} +0.23x_{33}$
x_{20}	0.13698630137	$+0.10x_{56} +0.47x_{17} -0.33x_{12} +0.09x_{62} +0.20x_{33}$
x_{18}	0.013698630137	$-0.24x_{56} +0.90x_{17} +0.77x_{12} +0.46x_{62} -0.13x_{33}$
x_{51}	0.123287671233	$+0.84x_{56} +0.08x_{17} -0.10x_{12} +0.13x_{62} -0.17x_{33}$
x_{32}	0.698630136986	$+0.77x_{56} -0.24x_{17} +0.12x_{12} +0.40x_{62} +0.36x_{33}$
x_{35}	0.328767123288	$-0.25x_{56} +0.03x_{17} +0.41x_{12} +0.51x_{62} +0.38x_{33}$
x_{36}	0.232876712329	$+0.42x_{56} -0.25x_{17} +0.04x_{12} +0.30x_{62} +0.29x_{33}$
x_{37}	0.191780821918	$+0.14x_{56} +0.06x_{17} +0.74x_{12} -0.08x_{62} +0.68x_{33}$
x_{38}	0.465753424658	$+0.35x_{56} +0.01x_{17} +0.08x_{12} +0.10x_{62} +1.08x_{33}$
x_{39}	0.424657534247	$+0.57x_{56} -0.18x_{17} -0.22x_{12} +0.23x_{62} +0.97x_{33}$
x_{40}	$5.88570288397e-15$	$+0.00x_{56} +0.00x_{17} +0.00x_{12} +0.00x_{62} +1.00x_{33}$
x_{41}	0.945205479452	$+0.46x_{56} -0.09x_{17} -0.07x_{12} +0.66x_{62} +0.02x_{33}$
x_{42}	$5.55643811023e-15$	$+0.00x_{56} +0.00x_{17} -0.00x_{12} +0.00x_{62} +1.00x_{33}$
x_{43}	0.123287671233	$-0.16x_{56} +0.08x_{17} -0.10x_{12} +0.13x_{62} +0.83x_{33}$
x_{44}	0.58904109589	$+0.19x_{56} +0.08x_{17} -0.01x_{12} +0.23x_{62} +0.90x_{33}$
x_{50}	1.24657534247	$+1.68x_{56} +1.15x_{17} -0.19x_{12} +0.26x_{62} -0.34x_{33}$
x_{46}	$8.08029442443e-15$	$+0.00x_{56} +0.00x_{17} -0.00x_{12} +0.00x_{62} +1.00x_{33}$
x_{47}	0.794520547945	$+0.10x_{56} +0.04x_{17} +0.49x_{12} +0.62x_{62} +0.45x_{33}$
x_{48}	0.671232876712	$+0.25x_{56} -0.03x_{17} -0.41x_{12} +0.49x_{62} +0.62x_{33}$
x_{49}	0.465753424658	$+0.35x_{56} +0.01x_{17} +0.08x_{12} +0.10x_{62} +0.08x_{33}$
x_{45}	0.493150684932	$+0.87x_{56} -0.20x_{17} -0.38x_{12} +0.02x_{62} +0.82x_{33}$
x_{26}	1.84931506849	$+2.14x_{56} -0.37x_{17} -0.44x_{12} -0.55x_{62} -0.07x_{33}$
x_{52}	0.849315068493	$+1.14x_{56} +0.63x_{17} -0.44x_{12} +0.45x_{62} -0.07x_{33}$
x_{53}	1.42465753425	$+1.57x_{56} -0.18x_{17} -0.22x_{12} +0.23x_{62} -0.03x_{33}$
x_{54}	1.12328767123	$+1.84x_{56} +1.08x_{17} -0.10x_{12} +0.13x_{62} -0.17x_{33}$
x_{55}	0.643835616438	$+0.73x_{56} +0.17x_{17} +0.05x_{12} +0.57x_{62} -0.12x_{33}$
x_{34}	0.232876712329	$+0.42x_{56} -0.25x_{17} +0.04x_{12} +0.30x_{62} +0.29x_{33}$
x_{57}	0.958904109589	$+1.22x_{56} +0.81x_{17} -0.30x_{12} +0.12x_{62} -0.11x_{33}$
x_{58}	1.31506849315	$+1.49x_{56} -0.36x_{17} -0.36x_{12} +0.55x_{62} +0.01x_{33}$
x_{59}	0.780821917808	$+0.84x_{56} +0.64x_{17} -0.27x_{12} +0.66x_{62} +0.08x_{33}$
x_{60}	0.424657534247	$+0.57x_{56} +0.82x_{17} -0.22x_{12} +0.23x_{62} -0.03x_{33}$
x_{61}	1.84931506849	$+2.14x_{56} -0.37x_{17} -0.44x_{12} +0.45x_{62} -0.07x_{33}$
x_4	0.068493150685	$-0.70x_{56} -0.01x_{17} -0.16x_{12} +0.79x_{62} -0.15x_{33}$
x_{63}	1.17808219178	$+1.38x_{56} +1.16x_{17} -0.03x_{12} +0.47x_{62} -0.19x_{33}$
x_{64}	2.06849315069	$+2.30x_{56} +0.99x_{17} -0.16x_{12} -0.21x_{62} -0.15x_{33}$

After cutting plane is added

x_6	19.4246575342	$+9.57x_{56} -4.18x_{17} -20.22x_{12} -5.77x_{62} +9.97x_{33}$
x_8	0.109589041096	$+0.08x_{56} +0.18x_{17} +0.14x_{12} -0.33x_{62} +0.96x_{33}$
x_{31}	0.671232876712	$+0.25x_{56} -0.03x_{17} -0.41x_{12} +0.49x_{62} +0.62x_{33}$
x_1	1.3698630137	$-0.47x_{56} +0.23x_{17} +0.71x_{12} +0.39x_{62} -0.51x_{33}$
x_{10}	21.0273972603	$+5.52x_{56} -1.21x_{17} -6.47x_{12} -5.08x_{62} +3.74x_{33}$
x_9	16.3561643836	$-3.23x_{56} +3.33x_{17} +12.95x_{12} +0.93x_{62} -5.38x_{33}$
x_5	0.739726027397	$-0.45x_{56} -0.05x_{17} +1.42x_{12} +0.28x_{62} -0.53x_{33}$
x_{13}	2.93150684932	$+1.70x_{56} +0.01x_{17} +1.16x_{12} -0.79x_{62} +0.15x_{33}$
x_{14}	4.58904109589	$+3.19x_{56} +4.08x_{17} +0.99x_{12} -2.77x_{62} -1.10x_{33}$
x_3	1.43835616438	$+0.83x_{56} +0.21x_{17} -0.45x_{12} -0.82x_{62} +0.34x_{33}$
x_{15}	1.95890410959	$+0.72x_{56} +4.31x_{17} +0.70x_{12} -1.38x_{62} -1.61x_{33}$
x_{16}	0.931506849315	$+0.20x_{56} +1.51x_{17} +0.16x_{12} -0.29x_{62} -0.35x_{33}$
x_{11}	2.52054794521	$+1.39x_{56} +4.60x_{17} +0.15x_{12} -2.06x_{62} -1.45x_{33}$
x_7	2.39726027397	$+2.55x_{56} -0.48x_{17} +0.25x_{12} -1.19x_{62} -0.27x_{33}$
x_{29}	0.191780821918	$+0.14x_{56} +0.06x_{17} +0.74x_{12} -0.08x_{62} +0.68x_{33}$
x_{19}	1.1095890411	$+1.08x_{56} +0.18x_{17} +0.14x_{12} -0.33x_{62} -0.04x_{33}$
x_{21}	2.09589041096	$+2.32x_{56} -0.72x_{17} -0.63x_{12} -0.79x_{62} +0.09x_{33}$
x_{23}	0.58904109589	$+0.19x_{56} +0.08x_{17} -0.01x_{12} +0.23x_{62} -0.10x_{33}$
x_{24}	2.08219178082	$+2.06x_{56} -0.12x_{17} +0.60x_{12} -0.75x_{62} -0.28x_{33}$
x_{25}	1.1095890411	$+1.08x_{56} +0.18x_{17} +0.14x_{12} -0.33x_{62} -0.04x_{33}$
x_{22}	1.0	$+1.00x_{56} +0.00x_{17} +0.00x_{12} -0.00x_{62} -0.00x_{33}$
x_{27}	0.86301369863	$+0.90x_{56} +0.53x_{17} +0.33x_{12} -0.09x_{62} -0.20x_{33}$
x_{28}	2.46575342466	$+2.35x_{56} +0.01x_{17} +0.08x_{12} -0.90x_{62} +0.08x_{33}$
x_2	0.643835616438	$+0.23x_{56} -0.33x_{17} -0.95x_{12} +0.07x_{62} +0.38x_{33}$
x_{30}	0.397260273973	$+0.05x_{56} +0.02x_{17} +0.25x_{12} +0.31x_{62} +0.23x_{33}$
x_{20}	0.13698630137	$+0.10x_{56} +0.47x_{17} -0.33x_{12} +0.09x_{62} +0.20x_{33}$
x_{18}	0.013698630137	$-0.24x_{56} +0.90x_{17} +0.77x_{12} +0.46x_{62} -0.13x_{33}$
x_{51}	0.123287671233	$+0.84x_{56} +0.08x_{17} -0.10x_{12} +0.13x_{62} -0.17x_{33}$
x_{32}	0.698630136986	$+0.77x_{56} -0.24x_{17} +0.12x_{12} +0.40x_{62} +0.36x_{33}$
x_{35}	0.328767123288	$-0.25x_{56} +0.03x_{17} +0.41x_{12} +0.51x_{62} +0.38x_{33}$
x_{36}	0.232876712329	$+0.42x_{56} -0.25x_{17} +0.04x_{12} +0.30x_{62} +0.29x_{33}$
x_{37}	0.191780821918	$+0.14x_{56} +0.06x_{17} +0.74x_{12} -0.08x_{62} +0.68x_{33}$
x_{38}	0.465753424658	$+0.35x_{56} +0.01x_{17} +0.08x_{12} +0.10x_{62} +1.08x_{33}$
x_{39}	0.424657534247	$+0.57x_{56} -0.18x_{17} -0.22x_{12} +0.23x_{62} +0.97x_{33}$
x_{40}	$5.88570288397e-15$	$+0.00x_{56} +0.00x_{17} +0.00x_{12} +0.00x_{62} +1.00x_{33}$
x_{41}	0.945205479452	$+0.46x_{56} -0.09x_{17} -0.07x_{12} +0.66x_{62} +0.02x_{33}$
x_{42}	$5.55643811023e-15$	$+0.00x_{56} +0.00x_{17} -0.00x_{12} +0.00x_{62} +1.00x_{33}$
x_{43}	0.123287671233	$-0.16x_{56} +0.08x_{17} -0.10x_{12} +0.13x_{62} +0.83x_{33}$
x_{44}	0.58904109589	$+0.19x_{56} +0.08x_{17} -0.01x_{12} +0.23x_{62} +0.90x_{33}$
x_{50}	1.24657534247	$+1.68x_{56} +1.15x_{17} -0.19x_{12} +0.26x_{62} -0.34x_{33}$
x_{46}	$8.08029442443e-15$	$+0.00x_{56} +0.00x_{17} -0.00x_{12} +0.00x_{62} +1.00x_{33}$
x_{47}	0.794520547945	$+0.10x_{56} +0.04x_{17} +0.49x_{12} +0.62x_{62} +0.45x_{33}$
x_{48}	0.671232876712	$+0.25x_{56} -0.03x_{17} -0.41x_{12} +0.49x_{62} +0.62x_{33}$
x_{49}	0.465753424658	$+0.35x_{56} +0.01x_{17} +0.08x_{12} +0.10x_{62} +0.08x_{33}$
x_{45}	0.493150684932	$+0.87x_{56} -0.20x_{17} -0.38x_{12} +0.02x_{62} +0.82x_{33}$
x_{26}	1.84931506849	$+2.14x_{56} -0.37x_{17} -0.44x_{12} -0.55x_{62} -0.07x_{33}$
x_{52}	0.849315068493	$+1.14x_{56} +0.63x_{17} -0.44x_{12} +0.45x_{62} -0.07x_{33}$
x_{53}	1.42465753425	$+1.57x_{56} -0.18x_{17} -0.22x_{12} +0.23x_{62} -0.03x_{33}$
x_{54}	1.12328767123	$+1.84x_{56} +1.08x_{17} -0.10x_{12} +0.13x_{62} -0.17x_{33}$
x_{55}	0.643835616438	$+0.73x_{56} +0.17x_{17} +0.05x_{12} +0.57x_{62} -0.12x_{33}$
x_{34}	0.232876712329	$+0.42x_{56} -0.25x_{17} +0.04x_{12} +0.30x_{62} +0.29x_{33}$
x_{57}	0.958904109589	$+1.22x_{56} +0.81x_{17} -0.30x_{12} +0.12x_{62} -0.11x_{33}$
x_{58}	1.31506849315	$+1.49x_{56} -0.36x_{17} -0.36x_{12} +0.55x_{62} +0.01x_{33}$
x_{59}	0.780821917808	$+0.84x_{56} +0.64x_{17} -0.27x_{12} +0.66x_{62} +0.08x_{33}$
x_{60}	0.424657534247	$+0.57x_{56} +0.82x_{17} -0.22x_{12} +0.23x_{62} -0.03x_{33}$
x_{61}	1.84931506849	$+2.14x_{56} -0.37x_{17} -0.44x_{12} +0.45x_{62} -0.07x_{33}$
x_4	0.068493150685	$-0.70x_{56} -0.01x_{17} -0.16x_{12} +0.79x_{62} -0.15x_{33}$
x_{63}	1.17808219178	$+1.38x_{56} +1.16x_{17} -0.03x_{12} +0.47x_{62} -0.19x_{33}$
x_{64}	2.06849315069	$+2.30x_{56} +0.99x_{17} -0.16x_{12} -0.21x_{62} -0.15x_{33}$

Forming the dual dictionary:

The Final Dual Dictionary is:

Final primal dictionary obtained:

x_{6}	13.5714285714	$+5.57x_{172}$	$-10.14x_{113}$	$-23.86x_{15}$	$+18.57x_{11}$	$+18.00x_{17}$
x_{8}	0.698412698413	$-1.75x_{172}$	$+1.71x_{113}$	$-1.49x_{15}$	$+1.14x_{11}$	$+0.56x_{17}$
x_{31}	1.69841269841	$+1.25x_{172}$	$-0.29x_{113}$	$-0.49x_{15}$	$+0.14x_{11}$	$+1.56x_{17}$
x_{140}	1.06349206349	$+3.84x_{172}$	$-0.57x_{113}$	$+0.68x_{15}$	$-0.71x_{11}$	$+0.78x_{17}$
x_{10}	17.6666666667	$-0.67x_{172}$	$-0.00x_{113}$	$-11.33x_{15}$	$+10.00x_{11}$	$+1.67x_{17}$
x_{9}	19.9206349206	$-4.30x_{172}$	$+9.71x_{113}$	$+11.40x_{15}$	$-7.86x_{11}$	$-14.22x_{17}$
x_{5}	1.33333333333	$-0.33x_{172}$	$+1.00x_{113}$	$+1.33x_{15}$	$-1.00x_{11}$	$-1.67x_{17}$
x_{13}	4.33333333333	$+1.67x_{172}$	$+2.00x_{113}$	$-0.67x_{15}$	$+1.00x_{11}$	$-2.67x_{17}$
x_{14}	3.5873015873	$+2.03x_{172}$	$+1.71x_{113}$	$-0.94x_{15}$	$+2.14x_{11}$	$-2.56x_{17}$
x_{3}	1.06349206349	$-0.16x_{172}$	$+0.43x_{113}$	$-1.32x_{15}$	$+1.29x_{11}$	$-0.22x_{17}$
x_{4}	0.222222222222	$+0.44x_{172}$	$-1.00x_{113}$	$+0.89x_{15}$	$-1.00x_{11}$	$+1.22x_{17}$
x_{16}	0.555555555556	$+0.11x_{172}$	$-0.00x_{113}$	$+0.22x_{15}$	$-0.00x_{11}$	$+0.56x_{17}$
x_{1}	1.55555555556	$+0.11x_{172}$	$+0.00x_{113}$	$+1.22x_{15}$	$-1.00x_{11}$	$-0.44x_{17}$
x_{7}	2.95238095238	$+3.62x_{172}$	$+0.43x_{113}$	$-0.76x_{15}$	$+1.29x_{11}$	$-3.33x_{17}$
x_{29}	1.34920634921	$-0.87x_{172}$	$+1.86x_{113}$	$-0.75x_{15}$	$+0.57x_{11}$	$-0.22x_{17}$
x_{19}	1.65079365079	$+1.87x_{172}$	$+0.14x_{113}$	$-0.25x_{15}$	$+0.43x_{11}$	$-0.78x_{17}$
x_{21}	2.61904761905	$+3.95x_{172}$	$-0.57x_{113}$	$-1.10x_{15}$	$+1.29x_{11}$	$-1.67x_{17}$
x_{23}	0.936507936508	$+1.16x_{172}$	$-0.43x_{113}$	$+0.32x_{15}$	$-0.29x_{11}$	$+0.22x_{17}$
x_{24}	3.04761904762	$+3.38x_{172}$	$+0.57x_{113}$	$-0.24x_{15}$	$+0.71x_{11}$	$-2.67x_{17}$
x_{25}	1.65079365079	$+1.87x_{172}$	$+0.14x_{113}$	$-0.25x_{15}$	$+0.43x_{11}$	$-0.78x_{17}$
x_{22}	1.80952380952	$+2.48x_{172}$	$-0.29x_{113}$	$-0.05x_{15}$	$+0.14x_{11}$	$-0.33x_{17}$
x_{27}	1.55555555556	$+2.11x_{172}$	$-0.00x_{113}$	$+0.22x_{15}$	$-0.00x_{11}$	$-0.44x_{17}$
x_{28}	3.39682539683	$+3.51x_{172}$	$+0.43x_{113}$	$-0.98x_{15}$	$+1.29x_{11}$	$-1.89x_{17}$
x_{62}	1.22222222222	$+2.44x_{172}$	$-1.00x_{113}$	$+0.89x_{15}$	$-1.00x_{11}$	$+1.22x_{17}$
x_{30}	1.19047619048	$+0.52x_{172}$	$+0.29x_{113}$	$+0.05x_{15}$	$-0.14x_{11}$	$+0.33x_{17}$
x_{20}	0.253968253968	$+0.37x_{172}$	$-0.29x_{113}$	$-0.27x_{15}$	$+0.14x_{11}$	$+1.11x_{17}$
x_{18}	0.84126984127	$+0.40x_{172}$	$+0.43x_{113}$	$+0.79x_{15}$	$-0.71x_{11}$	$+0.56x_{17}$
x_{51}	0.746031746032	$+2.63x_{172}$	$-0.71x_{113}$	$+0.27x_{15}$	$-0.14x_{11}$	$-0.11x_{17}$
x_{32}	2.22222222222	$+2.44x_{172}$	$-0.00x_{113}$	$-0.11x_{15}$	$-0.00x_{11}$	$+0.22x_{17}$
x_{35}	1.38095238095	$+0.05x_{172}$	$+0.57x_{113}$	$+0.10x_{15}$	$-0.29x_{11}$	$+0.67x_{17}$
x_{36}	1.22222222222	$+1.44x_{172}$	$-0.00x_{113}$	$-0.11x_{15}$	$-0.00x_{11}$	$+0.22x_{17}$
x_{37}	1.34920634921	$-0.87x_{172}$	$+1.86x_{113}$	$-0.75x_{15}$	$+0.57x_{11}$	$-0.22x_{17}$
x_{38}	1.85714285714	$-0.14x_{172}$	$+1.29x_{113}$	$-1.29x_{15}$	$+0.86x_{11}$	$+1.00x_{17}$
x_{39}	1.8253968254	$+0.94x_{172}$	$+0.57x_{113}$	$-1.13x_{15}$	$+0.71x_{11}$	$+1.11x_{17}$
x_{40}	0.857142857143	$-1.14x_{172}$	$+1.29x_{113}$	$-1.29x_{15}$	$+0.86x_{11}$	$+1.00x_{17}$
x_{41}	2.09523809524	$+2.76x_{172}$	$-0.86x_{113}$	$+0.52x_{15}$	$-0.57x_{11}$	$+0.67x_{17}$
x_{42}	0.857142857143	$-1.14x_{172}$	$+1.29x_{113}$	$-1.29x_{15}$	$+0.86x_{11}$	$+1.00x_{17}$
x_{43}	0.793650793651	$-0.98x_{172}$	$+0.86x_{113}$	$-0.97x_{15}$	$+0.57x_{11}$	$+1.22x_{17}$
x_{44}	1.79365079365	$+0.02x_{172}$	$+0.86x_{113}$	$-0.97x_{15}$	$+0.57x_{11}$	$+1.22x_{17}$
x_{50}	2.49206349206	$+5.27x_{172}$	$-1.43x_{113}$	$+0.54x_{15}$	$-0.29x_{11}$	$+0.78x_{17}$
x_{46}	0.857142857143	$-1.14x_{172}$	$+1.29x_{113}$	$-1.29x_{15}$	$+0.86x_{11}$	$+1.00x_{17}$
x_{47}	2.38095238095	$+1.05x_{172}$	$+0.57x_{113}$	$+0.10x_{15}$	$-0.29x_{11}$	$+0.67x_{17}$
x_{48}	1.69841269841	$+1.25x_{172}$	$-0.29x_{113}$	$-0.49x_{15}$	$+0.14x_{11}$	$+1.56x_{17}$
x_{49}	1.0	$+1.00x_{172}$	$-0.00x_{113}$	$+0.00x_{15}$	$-0.00x_{11}$	$-0.00x_{17}$
x_{45}	1.63492063492	$+1.41x_{172}$	$+0.29x_{113}$	$-1.17x_{15}$	$+0.86x_{11}$	$+0.78x_{17}$
x_{26}	2.52380952381	$+4.19x_{172}$	$-0.71x_{113}$	$-0.62x_{15}$	$+0.86x_{11}$	$-1.33x_{17}$
x_{52}	1.93650793651	$+4.16x_{172}$	$-1.43x_{113}$	$+0.32x_{15}$	$-0.29x_{11}$	$+1.22x_{17}$
x_{53}	2.77777777778	$+4.56x_{172}$	$-1.00x_{113}$	$+0.11x_{15}$	$-0.00x_{11}$	$-0.22x_{17}$
x_{54}	2.55555555556	$+5.11x_{172}$	$-1.00x_{113}$	$+0.22x_{15}$	$-0.00x_{11}$	$+0.56x_{17}$
x_{55}	1.87301587302	$+3.32x_{172}$	$-0.86x_{113}$	$+0.63x_{15}$	$-0.57x_{11}$	$+0.44x_{17}$
x_{33}	0.857142857143	$-1.14x_{172}$	$+1.29x_{113}$	$-1.29x_{15}$	$+0.86x_{11}$	$+1.00x_{17}$
x_{57}	1.77777777778	$+3.56x_{172}$	$-1.00x_{113}$	$+0.11x_{15}$	$-0.00x_{11}$	$+0.78x_{17}$
x_{58}	2.93650793651	$+5.16x_{172}$	$-1.43x_{113}$	$+0.32x_{15}$	$-0.29x_{11}$	$+0.22x_{17}$
x_{59}	2.12698412698	$+3.68x_{172}$	$-1.14x_{113}$	$+0.37x_{15}$	$-0.43x_{11}$	$+1.56x_{17}$
x_{60}	0.968253968254	$+2.08x_{172}$	$-0.71x_{113}$	$+0.16x_{15}$	$-0.14x_{11}$	$+1.11x_{17}$
x_{61}	3.74603174603	$+6.63x_{172}$	$-1.71x_{113}$	$+0.27x_{15}$	$-0.14x_{11}$	$-0.11x_{17}$
x_{34}	1.22222222222	$+1.44x_{172}$	$-0.00x_{113}$	$-0.11x_{15}$	$-0.00x_{11}$	$+0.22x_{17}$
x_{63}	2.68253968254	$+4.79x_{172}$	$-1.14x_{113}$	$+0.59x_{15}$	$-0.43x_{11}$	$+1.11x_{17}$
x_{64}	3.42857142857	$+5.43x_{172}$	$-0.86x_{113}$	$-0.14x_{15}$	$+0.43x_{11}$	$-0.00x_{17}$

After cutting plane is added

x_{6}	13.5714285714	$+5.57x_{172}$	$-10.14x_{113}$	$-23.86x_{15}$	$+18.57x_{11}$	$+18.00x_{17}$
x_{8}	0.698412698413	$-1.75x_{172}$	$+1.71x_{113}$	$-1.49x_{15}$	$+1.14x_{11}$	$+0.56x_{17}$
x_{31}	1.69841269841	$+1.25x_{172}$	$-0.29x_{113}$	$-0.49x_{15}$	$+0.14x_{11}$	$+1.56x_{17}$
x_{140}	1.06349206349	$+3.84x_{172}$	$-0.57x_{113}$	$+0.68x_{15}$	$-0.71x_{11}$	$+0.78x_{17}$
x_{10}	17.6666666667	$-0.67x_{172}$	$-0.00x_{113}$	$-11.33x_{15}$	$+10.00x_{11}$	$+1.67x_{17}$
x_{9}	19.9206349206	$-4.30x_{172}$	$+9.71x_{113}$	$+11.40x_{15}$	$-7.86x_{11}$	$-14.22x_{17}$
x_{5}	1.33333333333	$-0.33x_{172}$	$+1.00x_{113}$	$+1.33x_{15}$	$-1.00x_{11}$	$-1.67x_{17}$
x_{13}	4.33333333333	$+1.67x_{172}$	$+2.00x_{113}$	$-0.67x_{15}$	$+1.00x_{11}$	$-2.67x_{17}$
x_{14}	3.5873015873	$+2.03x_{172}$	$+1.71x_{113}$	$-0.94x_{15}$	$+2.14x_{11}$	$-2.56x_{17}$
x_{3}	1.06349206349	$-0.16x_{172}$	$+0.43x_{113}$	$-1.32x_{15}$	$+1.29x_{11}$	$-0.22x_{17}$
x_{4}	0.222222222222	$+0.44x_{172}$	$-1.00x_{113}$	$+0.89x_{15}$	$-1.00x_{11}$	$+1.22x_{17}$
x_{16}	0.555555555556	$+0.11x_{172}$	$-0.00x_{113}$	$+0.22x_{15}$	$-0.00x_{11}$	$+0.56x_{17}$
x_{1}	1.55555555556	$+0.11x_{172}$	$+0.00x_{113}$	$+1.22x_{15}$	$-1.00x_{11}$	$-0.44x_{17}$
x_{7}	2.95238095238	$+3.62x_{172}$	$+0.43x_{113}$	$-0.76x_{15}$	$+1.29x_{11}$	$-3.33x_{17}$
x_{29}	1.34920634921	$-0.87x_{172}$	$+1.86x_{113}$	$-0.75x_{15}$	$+0.57x_{11}$	$-0.22x_{17}$
x_{19}	1.65079365079	$+1.87x_{172}$	$+0.14x_{113}$	$-0.25x_{15}$	$+0.43x_{11}$	$-0.78x_{17}$
x_{21}	2.61904761905	$+3.95x_{172}$	$-0.57x_{113}$	$-1.10x_{15}$	$+1.29x_{11}$	$-1.67x_{17}$
x_{23}	0.936507936508	$+1.16x_{172}$	$-0.43x_{113}$	$+0.32x_{15}$	$-0.29x_{11}$	$+0.22x_{17}$
x_{24}	3.04761904762	$+3.38x_{172}$	$+0.57x_{113}$	$-0.24x_{15}$	$+0.71x_{11}$	$-2.67x_{17}$
x_{25}	1.65079365079	$+1.87x_{172}$	$+0.14x_{113}$	$-0.25x_{15}$	$+0.43x_{11}$	$-0.78x_{17}$
x_{22}	1.80952380952	$+2.48x_{172}$	$-0.29x_{113}$	$-0.05x_{15}$	$+0.14x_{11}$	$-0.33x_{17}$
x_{27}	1.55555555556	$+2.11x_{172}$	$-0.00x_{113}$	$+0.22x_{15}$	$-0.00x_{11}$	$-0.44x_{17}$
x_{28}	3.39682539683	$+3.51x_{172}$	$+0.43x_{113}$	$-0.98x_{15}$	$+1.29x_{11}$	$-1.89x_{17}$
x_{62}	1.22222222222	$+2.44x_{172}$	$-1.00x_{113}$	$+0.89x_{15}$	$-1.00x_{11}$	$+1.22x_{17}$
x_{30}	1.19047619048	$+0.52x_{172}$	$+0.29x_{113}$	$+0.05x_{15}$	$-0.14x_{11}$	$+0.33x_{17}$
x_{20}	0.253968253968	$+0.37x_{172}$	$-0.29x_{113}$	$-0.27x_{15}$	$+0.14x_{11}$	$+1.11x_{17}$
x_{18}	0.84126984127	$+0.40x_{172}$	$+0.43x_{113}$	$+0.79x_{15}$	$-0.71x_{11}$	$+0.56x_{17}$
x_{51}	0.746031746032	$+2.63x_{172}$	$-0.71x_{113}$	$+0.27x_{15}$	$-0.14x_{11}$	$-0.11x_{17}$
x_{32}	2.22222222222	$+2.44x_{172}$	$-0.00x_{113}$	$-0.11x_{15}$	$-0.00x_{11}$	$+0.22x_{17}$
x_{35}	1.38095238095	$+0.05x_{172}$	$+0.57x_{113}$	$+0.10x_{15}$	$-0.29x_{11}$	$+0.67x_{17}$
x_{36}	1.22222222222	$+1.44x_{172}$	$-0.00x_{113}$	$-0.11x_{15}$	$-0.00x_{11}$	$+0.22x_{17}$
x_{37}	1.34920634921	$-0.87x_{172}$	$+1.86x_{113}$	$-0.75x_{15}$	$+0.57x_{11}$	$-0.22x_{17}$
x_{38}	1.85714285714	$-0.14x_{172}$	$+1.29x_{113}$	$-1.29x_{15}$	$+0.86x_{11}$	$+1.00x_{17}$
x_{39}	1.8253968254	$+0.94x_{172}$	$+0.57x_{113}$	$-1.13x_{15}$	$+0.71x_{11}$	$+1.11x_{17}$
x_{40}	0.857142857143	$-1.14x_{172}$	$+1.29x_{113}$	$-1.29x_{15}$	$+0.86x_{11}$	$+1.00x_{17}$
x_{41}	2.09523809524	$+2.76x_{172}$	$-0.86x_{113}$	$+0.52x_{15}$	$-0.57x_{11}$	$+0.67x_{17}$
x_{42}	0.857142857143	$-1.14x_{172}$	$+1.29x_{113}$	$-1.29x_{15}$	$+0.86x_{11}$	$+1.00x_{17}$
x_{43}	0.793650793651	$-0.98x_{172}$	$+0.86x_{113}$	$-0.97x_{15}$	$+0.57x_{11}$	$+1.22x_{17}$
x_{44}	1.79365079365	$+0.02x_{172}$	$+0.86x_{113}$	$-0.97x_{15}$	$+0.57x_{11}$	$+1.22x_{17}$
x_{50}	2.49206349206	$+5.27x_{172}$	$-1.43x_{113}$	$+0.54x_{15}$	$-0.29x_{11}$	$+0.78x_{17}$
x_{46}	0.857142857143	$-1.14x_{172}$	$+1.29x_{113}$	$-1.29x_{15}$	$+0.86x_{11}$	$+1.00x_{17}$
x_{47}	2.38095238095	$+1.05x_{172}$	$+0.57x_{113}$	$+0.10x_{15}$	$-0.29x_{11}$	$+0.67x_{17}$
x_{48}	1.69841269841	$+1.25x_{172}$	$-0.29x_{113}$	$-0.49x_{15}$	$+0.14x_{11}$	$+1.56x_{17}$
x_{49}	1.0	$+1.00x_{172}$	$-0.00x_{113}$	$+0.00x_{15}$	$-0.00x_{11}$	$-0.00x_{17}$
x_{45}	1.63492063492	$+1.41x_{172}$	$+0.29x_{113}$	$-1.17x_{15}$	$+0.86x_{11}$	$+0.78x_{17}$
x_{26}	2.52380952381	$+4.19x_{172}$	$-0.71x_{113}$	$-0.62x_{15}$	$+0.86x_{11}$	$-1.33x_{17}$
x_{52}	1.93650793651	$+4.16x_{172}$	$-1.43x_{113}$	$+0.32x_{15}$	$-0.29x_{11}$	$+1.22x_{17}$
x_{53}	2.77777777778	$+4.56x_{172}$	$-1.00x_{113}$	$+0.11x_{15}$	$-0.00x_{11}$	$-0.22x_{17}$
x_{54}	2.55555555556	$+5.11x_{172}$	$-1.00x_{113}$	$+0.22x_{15}$	$-0.00x_{11}$	$+0.56x_{17}$
x_{55}	1.87301587302	$+3.32x_{172}$	$-0.86x_{113}$	$+0.63x_{15}$	$-0.57x_{11}$	$+0.44x_{17}$
x_{33}	0.857142857143	$-1.14x_{172}$	$+1.29x_{113}$	$-1.29x_{15}$	$+0.86x_{11}$	$+1.00x_{17}$
x_{57}	1.77777777778	$+3.56x_{172}$	$-1.00x_{113}$	$+0.11x_{15}$	$-0.00x_{11}$	$+0.78x_{17}$
x_{58}	2.93650793651	$+5.16x_{172}$	$-1.43x_{113}$	$+0.32x_{15}$	$-0.29x_{11}$	$+0.22x_{17}$
x_{59}	2.12698412698	$+3.68x_{172}$	$-1.14x_{113}$	$+0.37x_{15}$	$-0.43x_{11}$	$+1.56x_{17}$
x_{60}	0.968253968254	$+2.08x_{172}$	$-0.71x_{113}$	$+0.16x_{15}$	$-0.14x_{11}$	$+1.11x_{17}$
x_{61}	3.74603174603	$+6.63x_{172}$	$-1.71x_{113}$	$+0.27x_{15}$	$-0.14x_{11}$	$-0.11x_{17}$
x_{34}	1.22222222222	$+1.44x_{172}$	$-0.00x_{113}$	$-0.11x_{15}$	$-0.00x_{11}$	$+0.22x_{17}$
x_{63}	2.68253968254	$+4.79x_{172}$	$-1.14x_{113}$	$+0.59x_{15}$	$-0.43x_{11}$	$+1.11x_{17}$
x_{64}	3.42857142857	$+5.43x_{172}$	$-0.86x_{113}$	$-0.14x_{15}$	$+0.43x_{11}$	$-0.00x_{17}$

Forming the dual dictionary:

The Final Dual Dictionary is:

Final primal dictionary obtained:

x_6	29.75	$+4.50x_{172}$	$-26.75x_{12}$	$-104.00x_{179}$	$+103.25x_{218}$	$-49.50x_{113}$
x_3	1.5	$-0.00x_{172}$	$-0.50x_{12}$	$-8.00x_{179}$	$+8.50x_{218}$	$-5.00x_{113}$
x_{31}	2.5	$+1.00x_{172}$	$-1.50x_{12}$	$+0.00x_{179}$	$-0.50x_{218}$	$+2.00x_{113}$
x_{140}	1.25	$+3.50x_{172}$	$-0.25x_{12}$	$+5.00x_{179}$	$-5.25x_{218}$	$+3.50x_{113}$
x_{10}	22.25	$+0.50x_{172}$	$-7.25x_{12}$	$-61.00x_{179}$	$+62.75x_{218}$	$-35.50x_{113}$
x_9	9.75	$-2.50x_{172}$	$+17.25x_{12}$	$+40.00x_{179}$	$-37.75x_{218}$	$+14.50x_{113}$
x_8	1.25	$-1.50x_{172}$	$-1.25x_{12}$	$-7.00x_{179}$	$+6.75x_{218}$	$-1.50x_{113}$
x_{13}	3.25	$+2.50x_{172}$	$+1.75x_{12}$	$-8.00x_{179}$	$+8.75x_{218}$	$-6.50x_{113}$
x_{14}	4.25	$+1.50x_{172}$	$+1.75x_{12}$	$-13.00x_{179}$	$+16.75x_{218}$	$-12.50x_{113}$
x_{176}	1.75	$-1.50x_{172}$	$+0.25x_{12}$	$-2.00x_{179}$	$+6.25x_{218}$	$-4.50x_{113}$
x_{15}	1.25	$-1.50x_{172}$	$+0.75x_{12}$	$+2.00x_{179}$	$+0.75x_{218}$	$-1.50x_{113}$
x_{16}	1.25	$-0.50x_{172}$	$-0.25x_{12}$	$+1.00x_{179}$	$-0.25x_{218}$	$+0.50x_{113}$
x_1	1.0	$+0.00x_{172}$	$+1.00x_{12}$	$+6.00x_{179}$	$-6.00x_{218}$	$+3.00x_{113}$
x_{175}	1.25	$-1.50x_{172}$	$+0.75x_{12}$	$+0.00x_{179}$	$+3.75x_{218}$	$-3.50x_{113}$
x_{29}	1.25	$-0.50x_{172}$	$-0.25x_{12}$	$-4.00x_{179}$	$+3.75x_{218}$	$-0.50x_{113}$
x_{19}	1.5	$+2.00x_{172}$	$+0.50x_{12}$	$-3.00x_{179}$	$+3.50x_{218}$	$-3.00x_{113}$
x_{21}	2.25	$+4.50x_{172}$	$+0.75x_{12}$	$-9.00x_{179}$	$+9.75x_{218}$	$-8.50x_{113}$
x_{23}	1.0	$+1.00x_{172}$	$-0.00x_{12}$	$+2.00x_{179}$	$-2.00x_{218}$	$+1.00x_{113}$
x_{24}	2.0	$+4.00x_{172}$	$+2.00x_{12}$	$-6.00x_{179}$	$+7.00x_{218}$	$-7.00x_{113}$
x_{25}	1.5	$+2.00x_{172}$	$+0.50x_{12}$	$-3.00x_{179}$	$+3.50x_{218}$	$-3.00x_{113}$
x_{22}	1.75	$+2.50x_{172}$	$+0.25x_{12}$	$-1.00x_{179}$	$+1.25x_{218}$	$-1.50x_{113}$
x_{27}	1.5	$+2.00x_{172}$	$+0.50x_{12}$	$+0.00x_{179}$	$+0.50x_{218}$	$-1.00x_{113}$
x_{28}	3.0	$+4.00x_{172}$	$+1.00x_{12}$	$-9.00x_{179}$	$+10.00x_{218}$	$-8.00x_{113}$
x_{62}	1.5	$+2.00x_{172}$	$-0.50x_{12}$	$+7.00x_{179}$	$-7.50x_{218}$	$+5.00x_{113}$
x_{30}	1.25	$+0.50x_{172}$	$-0.25x_{12}$	$+1.00x_{179}$	$-1.25x_{218}$	$+1.50x_{113}$
x_{20}	1.0	$+0.00x_{172}$	$-1.00x_{12}$	$+0.00x_{179}$	$-0.00x_{218}$	$+1.00x_{113}$
x_{18}	1.0	$+0.00x_{172}$	$-0.00x_{12}$	$+5.00x_{179}$	$-5.00x_{218}$	$+4.00x_{113}$
x_{51}	0.75	$+2.50x_{172}$	$+0.25x_{12}$	$+1.00x_{179}$	$-0.75x_{218}$	$-0.50x_{113}$
x_{32}	2.25	$+2.50x_{172}$	$-0.25x_{12}$	$+0.00x_{179}$	$-0.25x_{218}$	$+0.50x_{113}$
x_{35}	1.5	$+0.00x_{172}$	$-0.50x_{12}$	$+2.00x_{179}$	$-2.50x_{218}$	$+3.00x_{113}$
x_{36}	1.25	$+1.50x_{172}$	$-0.25x_{12}$	$+0.00x_{179}$	$-0.25x_{218}$	$+0.50x_{113}$
x_{37}	1.25	$-0.50x_{172}$	$-0.25x_{12}$	$-4.00x_{179}$	$+3.75x_{218}$	$-0.50x_{113}$
x_{38}	2.5	$-0.00x_{172}$	$-1.50x_{12}$	$-5.00x_{179}$	$+4.50x_{218}$	$-0.00x_{113}$
x_{39}	2.5	$+1.00x_{172}$	$-1.50x_{12}$	$-4.00x_{179}$	$+3.50x_{218}$	$-0.00x_{113}$
x_{40}	1.5	$-1.00x_{172}$	$-1.50x_{12}$	$-5.00x_{179}$	$+4.50x_{218}$	$-0.00x_{113}$
x_{41}	2.25	$+2.50x_{172}$	$-0.25x_{12}$	$+4.00x_{179}$	$-4.25x_{218}$	$+2.50x_{113}$
x_{42}	1.5	$-1.00x_{172}$	$-1.50x_{12}$	$-5.00x_{179}$	$+4.50x_{218}$	$-0.00x_{113}$
x_{43}	1.5	$-1.00x_{172}$	$-1.50x_{12}$	$-3.00x_{179}$	$+2.50x_{218}$	$+1.00x_{113}$
x_{44}	2.5	$-0.00x_{172}$	$-1.50x_{12}$	$-3.00x_{179}$	$+2.50x_{218}$	$+1.00x_{113}$
x_{50}	3.25	$+4.50x_{172}$	$-0.25x_{12}$	$+3.00x_{179}$	$-2.25x_{218}$	$+0.50x_{113}$
x_{46}	1.5	$-1.00x_{172}$	$-1.50x_{12}$	$-5.00x_{179}$	$+4.50x_{218}$	$-0.00x_{113}$
x_{47}	2.5	$+1.00x_{172}$	$-0.50x_{12}$	$+2.00x_{179}$	$-2.50x_{218}$	$+3.00x_{113}$
x_{48}	2.5	$+1.00x_{172}$	$-1.50x_{12}$	$+0.00x_{179}$	$-0.50x_{218}$	$+2.00x_{113}$
x_{49}	1.0	$+1.00x_{172}$	$+0.00x_{12}$	$+0.00x_{179}$	$-0.00x_{218}$	$+0.00x_{113}$
x_{45}	2.25	$+1.50x_{172}$	$-1.25x_{12}$	$-5.00x_{179}$	$+4.75x_{218}$	$-1.50x_{113}$
x_{26}	2.25	$+4.50x_{172}$	$+0.75x_{12}$	$-6.00x_{179}$	$+6.75x_{218}$	$-6.50x_{113}$
x_{52}	2.75	$+3.50x_{172}$	$-0.75x_{12}$	$+3.00x_{179}$	$-2.75x_{218}$	$+1.50x_{113}$
x_{53}	2.75	$+4.50x_{172}$	$+0.25x_{12}$	$+0.00x_{179}$	$+0.25x_{218}$	$-1.50x_{113}$
x_{54}	3.25	$+4.50x_{172}$	$-0.25x_{12}$	$+1.00x_{179}$	$-0.25x_{218}$	$-0.50x_{113}$
x_{55}	2.0	$+3.00x_{172}$	$-0.00x_{12}$	$+4.00x_{179}$	$-4.00x_{218}$	$+2.00x_{113}$
x_{33}	1.5	$-1.00x_{172}$	$-1.50x_{12}$	$-5.00x_{179}$	$+4.50x_{218}$	$-0.00x_{113}$
x_{57}	2.5	$+3.00x_{172}$	$-0.50x_{12}$	$+1.00x_{179}$	$-0.50x_{218}$	$+0.00x_{113}$
x_{58}	3.0	$+5.00x_{172}$	$-0.00x_{12}$	$+2.00x_{179}$	$-2.00x_{218}$	$+0.00x_{113}$
x_{59}	3.0	$+3.00x_{172}$	$-1.00x_{12}$	$+4.00x_{179}$	$-4.00x_{218}$	$+3.00x_{113}$
x_{60}	1.75	$+1.50x_{172}$	$-0.75x_{12}$	$+2.00x_{179}$	$-1.75x_{218}$	$+1.50x_{113}$
x_{61}	3.75	$+6.50x_{172}$	$+0.25x_{12}$	$+1.00x_{179}$	$-0.75x_{218}$	$-1.50x_{113}$
x_{34}	1.25	$+1.50x_{172}$	$-0.25x_{12}$	$+0.00x_{179}$	$-0.25x_{218}$	$+0.50x_{113}$
x_{63}	3.5	$+4.00x_{172}$	$-0.50x_{12}$	$+4.00x_{179}$	$-3.50x_{218}$	$+2.00x_{113}$
x_{64}	4.0	$+5.00x_{172}$	$+0.00x_{12}$	$-2.00x_{179}$	$+3.00x_{218}$	$-3.00x_{113}$

After cutting plane is added

x_6	29.75	$+4.50x_{172}$	$-26.75x_{12}$	$-104.00x_{179}$	$+103.25x_{218}$	$-49.50x_{113}$
x_3	1.5	$-0.00x_{172}$	$-0.50x_{12}$	$-8.00x_{179}$	$+8.50x_{218}$	$-5.00x_{113}$
x_{31}	2.5	$+1.00x_{172}$	$-1.50x_{12}$	$+0.00x_{179}$	$-0.50x_{218}$	$+2.00x_{113}$
x_{140}	1.25	$+3.50x_{172}$	$-0.25x_{12}$	$+5.00x_{179}$	$-5.25x_{218}$	$+3.50x_{113}$
x_{10}	22.25	$+0.50x_{172}$	$-7.25x_{12}$	$-61.00x_{179}$	$+62.75x_{218}$	$-35.50x_{113}$
x_9	9.75	$-2.50x_{172}$	$+17.25x_{12}$	$+40.00x_{179}$	$-37.75x_{218}$	$+14.50x_{113}$
x_8	1.25	$-1.50x_{172}$	$-1.25x_{12}$	$-7.00x_{179}$	$+6.75x_{218}$	$-1.50x_{113}$
x_{13}	3.25	$+2.50x_{172}$	$+1.75x_{12}$	$-8.00x_{179}$	$+8.75x_{218}$	$-6.50x_{113}$
x_{14}	4.25	$+1.50x_{172}$	$+1.75x_{12}$	$-13.00x_{179}$	$+16.75x_{218}$	$-12.50x_{113}$
x_{176}	1.75	$-1.50x_{172}$	$+0.25x_{12}$	$-2.00x_{179}$	$+6.25x_{218}$	$-4.50x_{113}$
x_{15}	1.25	$-1.50x_{172}$	$+0.75x_{12}$	$+2.00x_{179}$	$+0.75x_{218}$	$-1.50x_{113}$
x_{16}	1.25	$-0.50x_{172}$	$-0.25x_{12}$	$+1.00x_{179}$	$-0.25x_{218}$	$+0.50x_{113}$
x_1	1.0	$+0.00x_{172}$	$+1.00x_{12}$	$+6.00x_{179}$	$-6.00x_{218}$	$+3.00x_{113}$
x_{175}	1.25	$-1.50x_{172}$	$+0.75x_{12}$	$+0.00x_{179}$	$+3.75x_{218}$	$-3.50x_{113}$
x_{29}	1.25	$-0.50x_{172}$	$-0.25x_{12}$	$-4.00x_{179}$	$+3.75x_{218}$	$-0.50x_{113}$
x_{19}	1.5	$+2.00x_{172}$	$+0.50x_{12}$	$-3.00x_{179}$	$+3.50x_{218}$	$-3.00x_{113}$
x_{21}	2.25	$+4.50x_{172}$	$+0.75x_{12}$	$-9.00x_{179}$	$+9.75x_{218}$	$-8.50x_{113}$
x_{23}	1.0	$+1.00x_{172}$	$-0.00x_{12}$	$+2.00x_{179}$	$-2.00x_{218}$	$+1.00x_{113}$
x_{24}	2.0	$+4.00x_{172}$	$+2.00x_{12}$	$-6.00x_{179}$	$+7.00x_{218}$	$-7.00x_{113}$
x_{25}	1.5	$+2.00x_{172}$	$+0.50x_{12}$	$-3.00x_{179}$	$+3.50x_{218}$	$-3.00x_{113}$
x_{22}	1.75	$+2.50x_{172}$	$+0.25x_{12}$	$-1.00x_{179}$	$+1.25x_{218}$	$-1.50x_{113}$
x_{27}	1.5	$+2.00x_{172}$	$+0.50x_{12}$	$+0.00x_{179}$	$+0.50x_{218}$	$-1.00x_{113}$
x_{28}	3.0	$+4.00x_{172}$	$+1.00x_{12}$	$-9.00x_{179}$	$+10.00x_{218}$	$-8.00x_{113}$
x_{62}	1.5	$+2.00x_{172}$	$-0.50x_{12}$	$+7.00x_{179}$	$-7.50x_{218}$	$+5.00x_{113}$
x_{30}	1.25	$+0.50x_{172}$	$-0.25x_{12}$	$+1.00x_{179}$	$-1.25x_{218}$	$+1.50x_{113}$
x_{20}	1.0	$+0.00x_{172}$	$-1.00x_{12}$	$+0.00x_{179}$	$-0.00x_{218}$	$+1.00x_{113}$
x_{18}	1.0	$+0.00x_{172}$	$-0.00x_{12}$	$+5.00x_{179}$	$-5.00x_{218}$	$+4.00x_{113}$
x_{51}	0.75	$+2.50x_{172}$	$+0.25x_{12}$	$+1.00x_{179}$	$-0.75x_{218}$	$-0.50x_{113}$
x_{32}	2.25	$+2.50x_{172}$	$-0.25x_{12}$	$+0.00x_{179}$	$-0.25x_{218}$	$+0.50x_{113}$
x_{35}	1.5	$+0.00x_{172}$	$-0.50x_{12}$	$+2.00x_{179}$	$-2.50x_{218}$	$+3.00x_{113}$
x_{36}	1.25	$+1.50x_{172}$	$-0.25x_{12}$	$+0.00x_{179}$	$-0.25x_{218}$	$+0.50x_{113}$
x_{37}	1.25	$-0.50x_{172}$	$-0.25x_{12}$	$-4.00x_{179}$	$+3.75x_{218}$	$-0.50x_{113}$
x_{38}	2.5	$-0.00x_{172}$	$-1.50x_{12}$	$-5.00x_{179}$	$+4.50x_{218}$	$-0.00x_{113}$
x_{39}	2.5	$+1.00x_{172}$	$-1.50x_{12}$	$-4.00x_{179}$	$+3.50x_{218}$	$-0.00x_{113}$
x_{40}	1.5	$-1.00x_{172}$	$-1.50x_{12}$	$-5.00x_{179}$	$+4.50x_{218}$	$-0.00x_{113}$
x_{41}	2.25	$+2.50x_{172}$	$-0.25x_{12}$	$+4.00x_{179}$	$-4.25x_{218}$	$+2.50x_{113}$
x_{42}	1.5	$-1.00x_{172}$	$-1.50x_{12}$	$-5.00x_{179}$	$+4.50x_{218}$	$-0.00x_{113}$
x_{43}	1.5	$-1.00x_{172}$	$-1.50x_{12}$	$-3.00x_{179}$	$+2.50x_{218}$	$+1.00x_{113}$
x_{44}	2.5	$-0.00x_{172}$	$-1.50x_{12}$	$-3.00x_{179}$	$+2.50x_{218}$	$+1.00x_{113}$
x_{50}	3.25	$+4.50x_{172}$	$-0.25x_{12}$	$+3.00x_{179}$	$-2.25x_{218}$	$+0.50x_{113}$
x_{46}	1.5	$-1.00x_{172}$	$-1.50x_{12}$	$-5.00x_{179}$	$+4.50x_{218}$	$-0.00x_{113}$
x_{47}	2.5	$+1.00x_{172}$	$-0.50x_{12}$	$+2.00x_{179}$	$-2.50x_{218}$	$+3.00x_{113}$
x_{48}	2.5	$+1.00x_{172}$	$-1.50x_{12}$	$+0.00x_{179}$	$-0.50x_{218}$	$+2.00x_{113}$
x_{49}	1.0	$+1.00x_{172}$	$+0.00x_{12}$	$+0.00x_{179}$	$-0.00x_{218}$	$+0.00x_{113}$
x_{45}	2.25	$+1.50x_{172}$	$-1.25x_{12}$	$-5.00x_{179}$	$+4.75x_{218}$	$-1.50x_{113}$
x_{26}	2.25	$+4.50x_{172}$	$+0.75x_{12}$	$-6.00x_{179}$	$+6.75x_{218}$	$-6.50x_{113}$
x_{52}	2.75	$+3.50x_{172}$	$-0.75x_{12}$	$+3.00x_{179}$	$-2.75x_{218}$	$+1.50x_{113}$
x_{53}	2.75	$+4.50x_{172}$	$+0.25x_{12}$	$+0.00x_{179}$	$+0.25x_{218}$	$-1.50x_{113}$
x_{54}	3.25	$+4.50x_{172}$	$-0.25x_{12}$	$+1.00x_{179}$	$-0.25x_{218}$	$-0.50x_{113}$
x_{55}	2.0	$+3.00x_{172}$	$-0.00x_{12}$	$+4.00x_{179}$	$-4.00x_{218}$	$+2.00x_{113}$
x_{33}	1.5	$-1.00x_{172}$	$-1.50x_{12}$	$-5.00x_{179}$	$+4.50x_{218}$	$-0.00x_{113}$
x_{57}	2.5	$+3.00x_{172}$	$-0.50x_{12}$	$+1.00x_{179}$	$-0.50x_{218}$	$+0.00x_{113}$
x_{58}	3.0	$+5.00x_{172}$	$-0.00x_{12}$	$+2.00x_{179}$	$-2.00x_{218}$	$+0.00x_{113}$
x_{59}	3.0	$+3.00x_{172}$	$-1.00x_{12}$	$+4.00x_{179}$	$-4.00x_{218}$	$+3.00x_{113}$
x_{60}	1.75	$+1.50x_{172}$	$-0.75x_{12}$	$+2.00x_{179}$	$-1.75x_{218}$	$+1.50x_{113}$
x_{61}	3.75	$+6.50x_{172}$	$+0.25x_{12}$	$+1.00x_{179}$	$-0.75x_{218}$	$-1.50x_{113}$
x_{34}	1.25	$+1.50x_{172}$	$-0.25x_{12}$	$+0.00x_{179}$	$-0.25x_{218}$	$+0.50x_{113}$
x_{63}	3.5	$+4.00x_{172}$	$-0.50x_{12}$	$+4.00x_{179}$	$-3.50x_{218}$	$+2.00x_{113}$
x_{64}	4.0	$+5.00x_{172}$	$+0.00x_{12}$	$-2.00x_{179}$	$+3.00x_{218}$	$-3.00x_{113}$

Forming the dual dictionary:

The Final Dual Dictionary is:

Final primal dictionary obtained:

x_{6}	2.99999999991	$+22.33x_{172}$	$-35.67x_{335}$	$-68.33x_{179}$	$+130.00x_{218}$	$-31.67x_{113}$
x_{3}	0.999999999998	$+0.33x_{172}$	$-0.67x_{335}$	$-7.33x_{179}$	$+9.00x_{218}$	$-4.67x_{113}$
x_{31}	0.999999999995	$+2.00x_{172}$	$-2.00x_{335}$	$+2.00x_{179}$	$+1.00x_{218}$	$+3.00x_{113}$
x_{140}	0.999999999999	$+3.67x_{172}$	$-0.33x_{335}$	$+5.33x_{179}$	$-5.00x_{218}$	$+3.67x_{113}$
x_{10}	15.0	$+5.33x_{172}$	$-9.67x_{335}$	$-51.33x_{179}$	$+70.00x_{218}$	$-30.67x_{113}$
x_{9}	27.0000000001	$-14.00x_{172}$	$+23.00x_{335}$	$+17.00x_{179}$	$-55.00x_{218}$	$+3.00x_{113}$
x_{8}	$-4.3234305025e-12$	$-0.67x_{172}$	$-1.67x_{335}$	$-5.33x_{179}$	$+8.00x_{218}$	$-0.67x_{113}$
x_{13}	5.00000000001	$+1.33x_{172}$	$+2.33x_{335}$	$-10.33x_{179}$	$+7.00x_{218}$	$-7.67x_{113}$
x_{14}	6.00000000001	$+0.33x_{172}$	$+2.33x_{335}$	$-15.33x_{179}$	$+15.00x_{218}$	$-13.67x_{113}$
x_{176}	2.0	$-1.67x_{172}$	$+0.33x_{335}$	$-2.33x_{179}$	$+6.00x_{218}$	$-4.67x_{113}$
x_{15}	2.0	$-2.00x_{172}$	$+1.00x_{335}$	$+1.00x_{179}$	$-0.00x_{218}$	$-2.00x_{113}$
x_{16}	0.999999999999	$-0.33x_{172}$	$-0.33x_{335}$	$+1.33x_{179}$	$+0.00x_{218}$	$+0.67x_{113}$
x_{1}	2.0	$-0.67x_{172}$	$+1.33x_{335}$	$+4.67x_{179}$	$-7.00x_{218}$	$+2.33x_{113}$
x_{175}	2.0	$-2.00x_{172}$	$+1.00x_{335}$	$-1.00x_{179}$	$+3.00x_{218}$	$-4.00x_{113}$
x_{29}	0.999999999999	$-0.33x_{172}$	$-0.33x_{335}$	$-3.67x_{179}$	$+4.00x_{218}$	$-0.33x_{113}$
x_{19}	2.0	$+1.67x_{172}$	$+0.67x_{335}$	$-3.67x_{179}$	$+3.00x_{218}$	$-3.33x_{113}$
x_{21}	3.0	$+4.00x_{172}$	$+1.00x_{335}$	$-10.00x_{179}$	$+9.00x_{218}$	$-9.00x_{113}$
x_{23}	1.0	$+1.00x_{172}$	$-0.00x_{335}$	$+2.00x_{179}$	$-2.00x_{218}$	$+1.00x_{113}$
x_{24}	4.00000000001	$+2.67x_{172}$	$+2.67x_{335}$	$-8.67x_{179}$	$+5.00x_{218}$	$-8.33x_{113}$
x_{25}	2.0	$+1.67x_{172}$	$+0.67x_{335}$	$-3.67x_{179}$	$+3.00x_{218}$	$-3.33x_{113}$
x_{22}	2.0	$+2.33x_{172}$	$+0.33x_{335}$	$-1.33x_{179}$	$+1.00x_{218}$	$-1.67x_{113}$
x_{27}	2.0	$+1.67x_{172}$	$+0.67x_{335}$	$-0.67x_{179}$	$-0.00x_{218}$	$-1.33x_{113}$
x_{28}	4.0	$+3.33x_{172}$	$+1.33x_{335}$	$-10.33x_{179}$	$+9.00x_{218}$	$-8.67x_{113}$
x_{62}	0.999999999998	$+2.33x_{172}$	$-0.67x_{335}$	$+7.67x_{179}$	$-7.00x_{218}$	$+5.33x_{113}$
x_{30}	0.999999999999	$+0.67x_{172}$	$-0.33x_{335}$	$+1.33x_{179}$	$-1.00x_{218}$	$+1.67x_{113}$
x_{20}	$-3.47877282536e-12$	$+0.67x_{172}$	$-1.33x_{335}$	$+1.33x_{179}$	$+1.00x_{218}$	$+1.67x_{113}$
x_{18}	1.0	$+0.00x_{172}$	$-0.00x_{335}$	$+5.00x_{179}$	$-5.00x_{218}$	$+4.00x_{113}$
x_{51}	1.0	$+2.33x_{172}$	$+0.33x_{335}$	$+0.67x_{179}$	$-1.00x_{218}$	$-0.67x_{113}$
x_{32}	2.0	$+2.67x_{172}$	$-0.33x_{335}$	$+0.33x_{179}$	$+0.00x_{218}$	$+0.67x_{113}$
x_{35}	0.999999999998	$+0.33x_{172}$	$-0.67x_{335}$	$+2.67x_{179}$	$-2.00x_{218}$	$+3.33x_{113}$
x_{36}	0.999999999999	$+1.67x_{172}$	$-0.33x_{335}$	$+0.33x_{179}$	$+0.00x_{218}$	$+0.67x_{113}$
x_{37}	0.999999999999	$-0.33x_{172}$	$-0.33x_{335}$	$-3.67x_{179}$	$+4.00x_{218}$	$-0.33x_{113}$
x_{38}	0.999999999995	$+1.00x_{172}$	$-2.00x_{335}$	$-3.00x_{179}$	$+6.00x_{218}$	$+1.00x_{113}$
x_{39}	0.999999999995	$+2.00x_{172}$	$-2.00x_{335}$	$-2.00x_{179}$	$+5.00x_{218}$	$+1.00x_{113}$
x_{40}	$-5.24424947912e-12$	$+0.00x_{172}$	$-2.00x_{335}$	$-3.00x_{179}$	$+6.00x_{218}$	$+1.00x_{113}$
x_{41}	2.0	$+2.67x_{172}$	$-0.33x_{335}$	$+4.33x_{179}$	$-4.00x_{218}$	$+2.67x_{113}$
x_{42}	$-5.24869037122e-12$	$+0.00x_{172}$	$-2.00x_{335}$	$-3.00x_{179}$	$+6.00x_{218}$	$+1.00x_{113}$
x_{43}	$-5.27378141157e-12$	$+0.00x_{172}$	$-2.00x_{335}$	$-1.00x_{179}$	$+4.00x_{218}$	$+2.00x_{113}$
x_{44}	0.999999999995	$+1.00x_{172}$	$-2.00x_{335}$	$-1.00x_{179}$	$+4.00x_{218}$	$+2.00x_{113}$
x_{50}	3.0	$+4.67x_{172}$	$-0.33x_{335}$	$+3.33x_{179}$	$-2.00x_{218}$	$+0.67x_{113}$
x_{46}	$-5.24380538991e-12$	$+0.00x_{172}$	$-2.00x_{335}$	$-3.00x_{179}$	$+6.00x_{218}$	$+1.00x_{113}$
x_{47}	2.0	$+1.33x_{172}$	$-0.67x_{335}$	$+2.67x_{179}$	$-2.00x_{218}$	$+3.33x_{113}$
x_{48}	0.999999999995	$+2.00x_{172}$	$-2.00x_{335}$	$+2.00x_{179}$	$+1.00x_{218}$	$+3.00x_{113}$
x_{49}	1.0	$+1.00x_{172}$	$+0.00x_{335}$	$+0.00x_{179}$	$-0.00x_{218}$	$+0.00x_{113}$
x_{45}	0.999999999996	$+2.33x_{172}$	$-1.67x_{335}$	$-3.33x_{179}$	$+6.00x_{218}$	$-0.67x_{113}$
x_{26}	3.0	$+4.00x_{172}$	$+1.00x_{335}$	$-7.00x_{179}$	$+6.00x_{218}$	$-7.00x_{113}$
x_{52}	2.0	$+4.00x_{172}$	$-1.00x_{335}$	$+4.00x_{179}$	$-2.00x_{218}$	$+2.00x_{113}$
x_{53}	3.0	$+4.33x_{172}$	$+0.33x_{335}$	$-0.33x_{179}$	$-0.00x_{218}$	$-1.67x_{113}$
x_{54}	3.0	$+4.67x_{172}$	$-0.33x_{335}$	$+1.33x_{179}$	$+0.00x_{218}$	$-0.33x_{113}$
x_{55}	2.0	$+3.00x_{172}$	$-0.00x_{335}$	$+4.00x_{179}$	$-4.00x_{218}$	$+2.00x_{113}$
x_{33}	$-5.25712806621e-12$	$+0.00x_{172}$	$-2.00x_{335}$	$-3.00x_{179}$	$+6.00x_{218}$	$+1.00x_{113}$
x_{57}	2.0	$+3.33x_{172}$	$-0.67x_{335}$	$+1.67x_{179}$	$+0.00x_{218}$	$+0.33x_{113}$
x_{58}	3.0	$+5.00x_{172}$	$-0.00x_{335}$	$+2.00x_{179}$	$-2.00x_{218}$	$+0.00x_{113}$
x_{59}	2.0	$+3.67x_{172}$	$-1.33x_{335}$	$+5.33x_{179}$	$-3.00x_{218}$	$+3.67x_{113}$
x_{60}	0.999999999998	$+2.00x_{172}$	$-1.00x_{335}$	$+3.00x_{179}$	$-1.00x_{218}$	$+2.00x_{113}$
x_{61}	4.0	$+6.33x_{172}$	$+0.33x_{335}$	$+0.67x_{179}$	$-1.00x_{218}$	$-1.67x_{113}$
x_{34}	0.999999999999	$+1.67x_{172}$	$-0.33x_{335}$	$+0.33x_{179}$	$+0.00x_{218}$	$+0.67x_{113}$
x_{63}	3.0	$+4.33x_{172}$	$-0.67x_{335}$	$+4.67x_{179}$	$-3.00x_{218}$	$+2.33x_{113}$
x_{64}	4.0	$+5.00x_{172}$	$+0.00x_{335}$	$-2.00x_{179}$	$+3.00x_{218}$	$-3.00x_{113}$

Final answer: -10.000000 Done.Added 575 cuts