Initial Dictionary

x_7	1.0	$-9.00x_1$	$+7.00x_2$	$+8.00x_3$	$+8.00x_4$	$+9.00x_5$	$-1.00x_6$
x_8	22.0	$-8.00x_1$	$-7.00x_2$	$+7.00x_3$		$+3.00x_5$	$-4.00x_6$
x_9	-9.0	$+6.00x_1$	$-1.00x_2$	$+5.00x_3$	$+2.00x_4$	$+10.00x_5$	$-2.00x_6$
x_{10}	-3.0	$+4.00x_1$	$-5.00x_2$	$+2.00x_3$	$+3.00x_4$	$-1.00x_5$	$+2.00x_6$
x_{11}	-21.0	$+2.00x_1$	$+1.00x_2$	$-8.00x_3$	$-1.00x_4$	$+10.00x_5$	$+2.00x_6$
x_{12}	7.0	$+8.00x_1$	$-1.00x_2$	$+7.00x_3$	$+3.00x_4$	$-10.00x_5$	$-3.00x_6$
x_{13}	29.0	$-3.00x_1$	$-9.00x_2$		$-4.00x_4$	$-2.00x_5$	$-5.00x_6$
z	0.0	$-1.00x_1$	$-3.00x_2$	$-3.00x_3$	$+2.00x_4$	$-4.00x_5$	$+1.00x_6$

0.1 Initialization Phase: Dual Problem Solving

New Objective in primal was changed to :

$$\max \sum_{j=1}^{6} -x_j$$

Primal variable x_j corresponds to dual variable y_j for $j = 1, \ldots, 13$ Dual Dictionary (with objective changed is):

y_1	1.0	$+9.00y_7$	$+8.00y_8$	$-6.00y_9$	$-4.00y_{10}$	$-2.00y_{11}$	$-8.00y_{12}$	$+3.00y_{13}$
y_2	1.0	$-7.00y_7$	$+7.00y_8$	$+1.00y_9$	$+5.00y_{10}$	$-1.00y_{11}$	$+1.00y_{12}$	$+9.00y_{13}$
y_3	1.0	$-8.00y_7$	$-7.00y_8$	$-5.00y_9$	$-2.00y_{10}$	$+8.00y_{11}$	$-7.00y_{12}$	
y_4	1.0	$-8.00y_7$		$-2.00y_9$	$-3.00y_{10}$	$+1.00y_{11}$	$-3.00y_{12}$	$+4.00y_{13}$
y_5	1.0	$-9.00y_7$	$-3.00y_8$	$-10.00y_9$	$+1.00y_{10}$	$-10.00y_{11}$	$+10.00y_{12}$	$+2.00y_{13}$
y_6	1.0	$+1.00y_7$	$+4.00y_8$	$+2.00y_9$	$-2.00y_{10}$	$-2.00y_{11}$	$+3.00y_{12}$	$+5.00y_{13}$
z	-0	$-1.00y_7$	$-22.00y_8$	$+9.00y_9$	$+3.00y_{10}$	$+21.00y_{11}$	$-7.00y_{12}$	$-29.00y_{13}$

Initialization succeeded in finding final dual dictionary with 8 pivots

y_{12}	0.08	$-0.40y_9$	$+0.86y_8$	$+0.02y_5$	$-0.10y_1$	$+1.08y_7$	$-0.42y_{10}$	$+0.26y_{13}$
y_2	0.9	$+2.00y_9$	$+7.30y_8$	$+0.10y_5$		$-6.10y_7$	$+4.90y_{10}$	$+8.80y_{13}$
y_4	0.94	$-2.20y_9$	$-2.02y_8$	$-0.14y_5$	$+0.20y_1$	$-11.06y_7$	$-2.06y_{10}$	$+3.68y_{13}$
y_{11}	0.18	$-1.40y_9$	$+0.56y_8$	$-0.08y_5$	$-0.10y_1$	$+0.18y_7$	$-0.32y_{10}$	$+0.46y_{13}$
y_3	1.88	$-13.40y_9$	$-8.54y_8$	$-0.78y_5$	$-0.10y_1$	$-14.12y_7$	$-1.62y_{10}$	$+1.86y_{13}$
y_6	0.88	$+3.60y_9$	$+5.46y_8$	$+0.22y_5$	$-0.10y_1$	$+3.88y_7$	$-2.62y_{10}$	$+4.86y_{13}$
z	3.22	$-17.60y_9$	$-16.26y_8$	$-1.82y_5$	$-1.40y_1$	$-4.78y_7$	$-0.78y_{10}$	$-21.16y_{13}$

Primal Dictionary is:

x_9	17.6	$+0.40x_{12}$	$-2.00x_2$	$+2.20x_4$	$+1.40x_{11}$	$+13.40x_3$	$-3.60x_6$
x_8	16.26	$-0.86x_{12}$	$-7.30x_2$	$+2.02x_4$	$-0.56x_{11}$	$+8.54x_3$	$-5.46x_6$
x_5	1.82	$-0.02x_{12}$	$-0.10x_2$	$+0.14x_4$	$+0.08x_{11}$	$+0.78x_3$	$-0.22x_6$
x_1	1.4	$+0.10x_{12}$		$-0.20x_4$	$+0.10x_{11}$	$+0.10x_3$	$+0.10x_6$
x_7	4.78	$-1.08x_{12}$	$+6.10x_2$	$+11.06x_4$	$-0.18x_{11}$	$+14.12x_3$	$-3.88x_6$
x_{10}	0.78	$+0.42x_{12}$	$-4.90x_2$	$+2.06x_4$	$+0.32x_{11}$	$+1.62x_3$	$+2.62x_6$
x_{13}	21.16	$-0.26x_{12}$	$-8.80x_2$	$-3.68x_4$	$-0.46x_{11}$	$-1.86x_3$	$-4.86x_6$
z	-3.22	$-0.08x_{12}$	$-0.90x_2$	$-0.94x_4$	$-0.18x_{11}$	$-1.88x_3$	$-0.88x_6$

Primal Dictionary with original objective is:

x_9	17.6	$+0.40x_{12}$	$-2.00x_2$	$+2.20x_4$	$+1.40x_{11}$	$+13.40x_3$	$-3.60x_6$
x_8	16.26	$-0.86x_{12}$	$-7.30x_2$	$+2.02x_4$	$-0.56x_{11}$	$+8.54x_3$	$-5.46x_6$
x_5	1.82	$-0.02x_{12}$	$-0.10x_2$	$+0.14x_4$	$+0.08x_{11}$	$+0.78x_3$	$-0.22x_6$
x_1	1.4	$+0.10x_{12}$		$-0.20x_4$	$+0.10x_{11}$	$+0.10x_3$	$+0.10x_6$
x_7	4.78	$-1.08x_{12}$	$+6.10x_2$	$+11.06x_4$	$-0.18x_{11}$	$+14.12x_3$	$-3.88x_6$
x_{10}	0.78	$+0.42x_{12}$	$-4.90x_2$	$+2.06x_4$	$+0.32x_{11}$	$+1.62x_3$	$+2.62x_6$
x_{13}	21.16	$-0.26x_{12}$	$-8.80x_2$	$-3.68x_4$	$-0.46x_{11}$	$-1.86x_3$	$-4.86x_6$
z	-8.68	$-0.02x_{12}$	$-2.60x_2$	$+1.64x_4$	$-0.42x_{11}$	$-6.22x_3$	$+1.78x_6$

x_4 enters and x_{13} leaves

x_9	30.25	$+0.24x_{12}$	$-7.26x_2$	$-0.60x_{13}$	$+1.12x_{11}$	$+12.29x_3$	$-6.51x_6$
x_8	27.875	$-1.00x_{12}$	$-12.13x_2$	$-0.55x_{13}$	$-0.81x_{11}$	$+7.52x_3$	$-8.13x_6$
x_5	2.625	$-0.03x_{12}$	$-0.43x_2$	$-0.04x_{13}$	$+0.06x_{11}$	$+0.71x_3$	$-0.40x_6$
x_1	0.25	$+0.11x_{12}$	$+0.48x_2$	$+0.05x_{13}$	$+0.13x_{11}$	$+0.20x_3$	$+0.36x_6$
x_7	68.375	$-1.86x_{12}$	$-20.35x_2$	$-3.01x_{13}$	$-1.56x_{11}$	$+8.53x_3$	$-18.49x_6$
x_{10}	12.625	$+0.27x_{12}$	$-9.83x_2$	$-0.56x_{13}$	$+0.06x_{11}$	$+0.58x_3$	$-0.10x_6$
x_4	5.75	$-0.07x_{12}$	$-2.39x_2$	$-0.27x_{13}$	$-0.13x_{11}$	$-0.51x_3$	$-1.32x_6$
z	0.75	$-0.14x_{12}$	$-6.52x_2$	$-0.45x_{13}$	$-0.63x_{11}$	$-7.05x_3$	$-0.39x_6$

Final Dictionary Final dictionary after first LP relaxation solve:

x_9	30.25	$+0.24x_{12}$	$-7.26x_2$	$-0.60x_{13}$	$+1.12x_{11}$	$+12.29x_3$	$-6.51x_6$
x_8	27.875	$-1.00x_{12}$	$-12.13x_2$	$-0.55x_{13}$	$-0.81x_{11}$	$+7.52x_3$	$-8.13x_6$
x_5	2.625	$-0.03x_{12}$	$-0.43x_2$	$-0.04x_{13}$	$+0.06x_{11}$	$+0.71x_3$	$-0.40x_6$
x_1	0.25	$+0.11x_{12}$	$+0.48x_2$	$+0.05x_{13}$	$+0.13x_{11}$	$+0.20x_3$	$+0.36x_6$
x_7	68.375	$-1.86x_{12}$	$-20.35x_2$	$-3.01x_{13}$	$-1.56x_{11}$	$+8.53x_3$	$-18.49x_6$
x_{10}	12.625	$+0.27x_{12}$	$-9.83x_2$	$-0.56x_{13}$	$+0.06x_{11}$	$+0.58x_3$	$-0.10x_6$
x_4	5.75	$-0.07x_{12}$	$-2.39x_2$	$-0.27x_{13}$	$-0.13x_{11}$	$-0.51x_3$	$-1.32x_6$
z	0.75	$-0.14x_{12}$	$-6.52x_2$	$-0.45x_{13}$	$-0.63x_{11}$	$-7.05x_3$	$-0.39x_6$

After cutting plane is added

x_9	30.25	$+0.24x_{12}$	$-7.26x_2$	$-0.60x_{13}$	$+1.12x_{11}$	$+12.29x_3$	$-6.51x_6$
x_8	27.875	$-1.00x_{12}$	$-12.13x_2$	$-0.55x_{13}$	$-0.81x_{11}$	$+7.52x_3$	$-8.13x_6$
x_5	2.625	$-0.03x_{12}$	$-0.43x_2$	$-0.04x_{13}$	$+0.06x_{11}$	$+0.71x_3$	$-0.40x_6$
x_1	0.25	$+0.11x_{12}$	$+0.48x_2$	$+0.05x_{13}$	$+0.13x_{11}$	$+0.20x_3$	$+0.36x_6$
x_7	68.375	$-1.86x_{12}$	$-20.35x_2$	$-3.01x_{13}$	$-1.56x_{11}$	$+8.53x_3$	$-18.49x_6$
x_{10}	12.625	$+0.27x_{12}$	$-9.83x_2$	$-0.56x_{13}$	$+0.06x_{11}$	$+0.58x_3$	$-0.10x_6$
x_4	5.75	$-0.07x_{12}$	$-2.39x_2$	$-0.27x_{13}$	$-0.13x_{11}$	$-0.51x_3$	$-1.32x_6$
x_{14}	-0.25	$+0.76x_{12}$	$+0.26x_2$	$+0.60x_{13}$	$+0.88x_{11}$	$+0.71x_3$	$+0.51x_6$
x_{15}	-0.875	$+0.00x_{12}$	$+0.13x_2$	$+0.55x_{13}$	$+0.81x_{11}$	$+0.48x_3$	$+0.13x_6$
x_{16}	-0.625	$+0.03x_{12}$	$+0.43x_2$	$+0.04x_{13}$	$+0.94x_{11}$	$+0.29x_3$	$+0.40x_6$
x_{17}	-0.25	$+0.89x_{12}$	$+0.52x_2$	$+0.95x_{13}$	$+0.88x_{11}$	$+0.80x_3$	$+0.64x_6$
x_{18}	-0.375	$+0.86x_{12}$	$+0.35x_2$	$+0.01x_{13}$	$+0.56x_{11}$	$+0.47x_3$	$+0.49x_6$
x_{19}	-0.625	$+0.73x_{12}$	$+0.83x_2$	$+0.56x_{13}$	$+0.94x_{11}$	$+0.42x_3$	$+0.10x_6$
x_{20}	-0.75	$+0.07x_{12}$	$+0.39x_2$	$+0.27x_{13}$	$+0.13x_{11}$	$+0.51x_3$	$+0.32x_6$
z	0.75	$-0.14x_{12}$	$-6.52x_2$	$-0.45x_{13}$	$-0.63x_{11}$	$-7.05x_3$	$-0.39x_6$

Forming the dual dictionary:

The Final Dual Dictionary is:

Final primal dictionary obtained:

x_9	21.1764705882	$+1.68x_{12}$	$+0.68x_2$	$-19.03x_{20}$	$+8.59x_{15}$	$+18.85x_3$	$-3.71x_{16}$
x_8	16.6470588235	$+0.65x_{12}$	$-2.35x_2$	$-20.94x_{20}$	$+9.82x_{15}$	$+15.29x_3$	$-6.59x_{16}$
x_5	2.05882352941	$+0.06x_{12}$	$+0.06x_2$	$-1.18x_{20}$	$+0.53x_{15}$	$+1.12x_3$	$-0.24x_{16}$
x_1	0.794117647059	$+0.04x_{12}$	$+0.04x_2$	$+0.87x_{20}$	$-0.35x_{15}$	$-0.16x_3$	$+0.32x_{16}$
x_7	40.7352941176	$+1.99x_{12}$	$+1.99x_2$	$-49.96x_{20}$	$+20.12x_{15}$	$+27.72x_3$	$-12.44x_{16}$
x_{10}	11.8235294118	$+0.32x_{12}$	$-9.68x_2$	$-0.97x_{20}$	$-0.59x_{15}$	$+1.15x_3$	$+0.71x_{16}$
x_4	3.70588235294	$+0.21x_{12}$	$-0.79x_2$	$-3.62x_{20}$	$+1.35x_{15}$	$+0.91x_3$	$-0.82x_{16}$
x_{14}	1.17647058824	$+0.68x_{12}$	$-0.32x_2$	$+0.97x_{20}$	$+0.59x_{15}$	$-0.15x_3$	$+0.29x_{16}$
x_6	1.29411764706	$-0.21x_{12}$	$-1.21x_2$	$+2.62x_{20}$	$-1.35x_{15}$	$-0.91x_3$	$+0.82x_{16}$
x_{11}	0.0588235294118	$+0.06x_{12}$	$+0.06x_2$	$-1.18x_{20}$	$+0.53x_{15}$	$+0.12x_3$	$+0.76x_{16}$
x_{17}	1.76470588235	$+0.76x_{12}$	$-0.24x_2$	$+1.71x_{20}$	$+0.88x_{15}$	$-0.47x_3$	$-0.06x_{16}$
x_{18}	0.294117647059	$+0.79x_{12}$	$-0.21x_2$	$+0.62x_{20}$	$-0.35x_{15}$	$+0.09x_3$	$+0.82x_{16}$
x_{19}	0.235294117647	$+0.74x_{12}$	$+0.74x_2$	$-0.21x_{20}$	$+1.12x_{15}$	$-0.03x_3$	$+0.06x_{16}$
x_{13}	1.20588235294	$-0.04x_{12}$	$-0.04x_2$	$+1.13x_{20}$	$+1.35x_{15}$	$-0.84x_3$	$-1.32x_{16}$
z	-0.323529411765	$-0.07x_{12}$	$-6.07x_2$	$-0.78x_{20}$	$-0.41x_{15}$	$-6.40x_3$	$-0.21x_{16}$

After cutting plane is added

x_9	21.1764705882	$+1.68x_{12}$	$+0.68x_2$	$-19.03x_{20}$	$+8.59x_{15}$	$+18.85x_3$	$-3.71x_{16}$
x_8	16.6470588235	$+0.65x_{12}$	$-2.35x_2$	$-20.94x_{20}$	$+9.82x_{15}$	$+15.29x_3$	$-6.59x_{16}$
x_5	2.05882352941	$+0.06x_{12}$	$+0.06x_2$	$-1.18x_{20}$	$+0.53x_{15}$	$+1.12x_3$	$-0.24x_{16}$
x_1	0.794117647059	$+0.04x_{12}$	$+0.04x_2$	$+0.87x_{20}$	$-0.35x_{15}$	$-0.16x_3$	$+0.32x_{16}$
x_7	40.7352941176	$+1.99x_{12}$	$+1.99x_2$	$-49.96x_{20}$	$+20.12x_{15}$	$+27.72x_3$	$-12.44x_{16}$
x_{10}	11.8235294118	$+0.32x_{12}$	$-9.68x_2$	$-0.97x_{20}$	$-0.59x_{15}$	$+1.15x_3$	$+0.71x_{16}$
x_4	3.70588235294	$+0.21x_{12}$	$-0.79x_2$	$-3.62x_{20}$	$+1.35x_{15}$	$+0.91x_3$	$-0.82x_{16}$
x_{14}	1.17647058824	$+0.68x_{12}$	$-0.32x_2$	$+0.97x_{20}$	$+0.59x_{15}$	$-0.15x_3$	$+0.29x_{16}$
x_6	1.29411764706	$-0.21x_{12}$	$-1.21x_2$	$+2.62x_{20}$	$-1.35x_{15}$	$-0.91x_3$	$+0.82x_{16}$
x_{11}	0.0588235294118	$+0.06x_{12}$	$+0.06x_2$	$-1.18x_{20}$	$+0.53x_{15}$	$+0.12x_3$	$+0.76x_{16}$
x_{17}	1.76470588235	$+0.76x_{12}$	$-0.24x_2$	$+1.71x_{20}$	$+0.88x_{15}$	$-0.47x_3$	$-0.06x_{16}$
x_{18}	0.294117647059	$+0.79x_{12}$	$-0.21x_2$	$+0.62x_{20}$	$-0.35x_{15}$	$+0.09x_3$	$+0.82x_{16}$
x_{19}	0.235294117647	$+0.74x_{12}$	$+0.74x_2$	$-0.21x_{20}$	$+1.12x_{15}$	$-0.03x_3$	$+0.06x_{16}$
x_{13}	1.20588235294	$-0.04x_{12}$	$-0.04x_2$	$+1.13x_{20}$	$+1.35x_{15}$	$-0.84x_3$	$-1.32x_{16}$
x_{21}	-0.176470588235	$+0.32x_{12}$	$+0.32x_2$	$+0.03x_{20}$	$+0.41x_{15}$	$+0.15x_3$	$+0.71x_{16}$
x_{22}	-0.64705882353	$+0.35x_{12}$	$+0.35x_2$	$+0.94x_{20}$	$+0.18x_{15}$	$+0.71x_3$	$+0.59x_{16}$
x_{23}	-0.0588235294118	$+0.94x_{12}$	$+0.94x_2$	$+0.18x_{20}$	$+0.47x_{15}$	$+0.88x_3$	$+0.24x_{16}$
x_{24}	-0.794117647059	$+0.96x_{12}$	$+0.96x_2$	$+0.13x_{20}$	$+0.35x_{15}$	$+0.16x_3$	$+0.68x_{16}$
x_{25}	-0.735294117647	$+0.01x_{12}$	$+0.01x_2$	$+0.96x_{20}$	$+0.88x_{15}$	$+0.28x_3$	$+0.44x_{16}$
x_{26}	-0.823529411765	$+0.68x_{12}$	$+0.68x_2$	$+0.97x_{20}$	$+0.59x_{15}$	$+0.85x_3$	$+0.29x_{16}$
x_{27}	-0.705882352941	$+0.79x_{12}$	$+0.79x_2$	$+0.62x_{20}$	$+0.65x_{15}$	$+0.09x_3$	$+0.82x_{16}$
x_{28}	-0.176470588235	$+0.32x_{12}$	$+0.32x_2$	$+0.03x_{20}$	$+0.41x_{15}$	$+0.15x_3$	$+0.71x_{16}$
x_{29}	-0.294117647059	$+0.21x_{12}$	$+0.21x_2$	$+0.38x_{20}$	$+0.35x_{15}$	$+0.91x_3$	$+0.18x_{16}$
x_{30}	-0.0588235294118	$+0.94x_{12}$	$+0.94x_2$	$+0.18x_{20}$	$+0.47x_{15}$	$+0.88x_3$	$+0.24x_{16}$
x_{31}	-0.764705882353	$+0.24x_{12}$	$+0.24x_2$	$+0.29x_{20}$	$+0.12x_{15}$	$+0.47x_3$	$+0.06x_{16}$
x_{32}	-0.294117647059	$+0.21x_{12}$	$+0.21x_2$	$+0.38x_{20}$	$+0.35x_{15}$	$+0.91x_3$	$+0.18x_{16}$
x_{33}	-0.235294117647	$+0.26x_{12}$	$+0.26x_2$	$+0.21x_{20}$	$+0.88x_{15}$	$+0.03x_3$	$+0.94x_{16}$
x_{34}	-0.205882352941	$+0.04x_{12}$	$+0.04x_2$	$+0.87x_{20}$	$+0.65x_{15}$	$+0.84x_3$	$+0.32x_{16}$
z	-0.323529411765	$-0.07x_{12}$	$-6.07x_2$	$-0.78x_{20}$	$-0.41x_{15}$	$-6.40x_3$	$-0.21x_{16}$

Forming the dual dictionary:

The Final Dual Dictionary is:

Final primal dictionary obtained:

x_9	30.8095238095	$-5.33x_6$	$-6.33x_2$	$-6.95x_{20}$	$+2.38x_{31}$	$+12.52x_3$	$+1.24x_{25}$
x_8	23.4761904762	$-7.67x_6$	$-10.67x_2$	$+0.38x_{20}$	$-3.95x_{31}$	$+10.19x_3$	$-0.10x_{25}$
x_5	2.52380952381	$-0.33x_6$	$-0.33x_2$	$-0.38x_{20}$	$-0.05x_{31}$	$+0.81x_3$	$+0.10x_{25}$
x_1	0.761904761905	$+0.33x_6$	$+0.33x_2$	$-0.19x_{20}$	$+0.48x_{31}$	$-0.10x_3$	$+0.05x_{25}$
x_7	56.8571428571	$-15.00x_6$	$-15.00x_2$	$-9.71x_{20}$	$-4.71x_{31}$	$+16.14x_3$	$+0.43x_{25}$
x_{10}	12.5238095238	$+0.67x_6$	$-9.33x_2$	$-3.38x_{20}$	$+1.95x_{31}$	$+0.81x_3$	$+0.10x_{25}$
x_4	5.0	$-1.00x_6$	$-2.00x_2$	$-1.00x_{20}$		$-0.00x_3$	$+0.00x_{25}$
x_{14}	3.57142857143	$-0.00x_6$	$-1.00x_2$	$-0.14x_{20}$	$+2.86x_{31}$	$-1.57x_3$	$+0.29x_{25}$
x_{22}	0.619047619048	$+0.33x_6$	$+0.33x_2$	$-0.90x_{20}$	$+1.76x_{31}$	$+0.05x_3$	$+0.48x_{25}$
x_{11}	0.761904761905	$+0.33x_6$	$+0.33x_2$	$-3.19x_{20}$	$+0.48x_{31}$	$-0.10x_3$	$+1.05x_{25}$
x_{17}	4.52380952381	$-0.33x_6$	$-1.33x_2$	$+1.62x_{20}$	$+2.95x_{31}$	$-2.19x_3$	$+0.10x_{25}$
x_{18}	2.52380952381	$+0.67x_6$	$-0.33x_2$	$-2.38x_{20}$	$+3.95x_{31}$	$-1.19x_3$	$+0.10x_{25}$
x_{19}	3.09523809524	$-0.33x_6$	$-0.33x_2$	$-0.52x_{20}$	$+2.81x_{31}$	$-1.76x_3$	$+0.38x_{25}$
x_{13}	1.66666666667	$-1.33x_6$	$-1.33x_2$	$+5.33x_{20}$	$-1.33x_{31}$	$-1.33x_3$	$-0.33x_{25}$
x_{15}	0.666666666667	$-0.33x_6$	$-0.33x_2$	$+0.33x_{20}$	$-0.33x_{31}$	$-0.33x_3$	$+0.67x_{25}$
x_{21}	1.19047619048	$+0.33x_6$	$+0.33x_2$	$-2.05x_{20}$	$+1.62x_{31}$	$-0.52x_3$	$+0.76x_{25}$
x_{23}	3.0	$-0.00x_6$	$-0.00x_2$	$-1.00x_{20}$	$+4.00x_{31}$	$-1.00x_3$	$+0.00x_{25}$
x_{24}	2.33333333333	$+0.33x_6$	$+0.33x_2$	$-2.33x_{20}$	$+4.33x_{31}$	$-1.67x_3$	$+0.33x_{25}$
x_{16}	0.238095238096	$+0.67x_6$	$+0.67x_2$	$-2.81x_{20}$	$+0.52x_{31}$	$+0.10x_3$	$+0.95x_{25}$
x_{12}	2.85714285714	$+0.00x_6$	$-1.00x_2$	$-0.71x_{20}$	$+4.29x_{31}$	$-1.86x_3$	$-0.57x_{25}$
x_{27}	2.19047619048	$+0.33x_6$	$+0.33x_2$	$-2.05x_{20}$	$+3.62x_{31}$	$-1.52x_3$	$+0.76x_{25}$
x_{28}	1.19047619048	$+0.33x_6$	$+0.33x_2$	$-2.05x_{20}$	$+1.62x_{31}$	$-0.52x_3$	$+0.76x_{25}$
x_{29}	0.571428571429	$-0.00x_6$	$-0.00x_2$	$-0.14x_{20}$	$+0.86x_{31}$	$+0.43x_3$	$+0.29x_{25}$
x_{30}	3.0	$-0.00x_6$	$-0.00x_2$	$-1.00x_{20}$	$+4.00x_{31}$	$-1.00x_3$	$+0.00x_{25}$
x_{26}	1.57142857143	$-0.00x_6$	$-0.00x_2$	$-0.14x_{20}$	$+2.86x_{31}$	$-0.57x_3$	$+0.29x_{25}$
x_{32}	0.571428571429	$-0.00x_6$	$-0.00x_2$	$-0.14x_{20}$	$+0.86x_{31}$	$+0.43x_3$	$+0.29x_{25}$
x_{33}	1.33333333333	$+0.33x_6$	$+0.33x_2$	$-2.33x_{20}$	$+1.33x_{31}$	$-0.67x_3$	$+1.33x_{25}$
x_{34}	0.428571428572	$-0.00x_6$	$-0.00x_2$	$+0.14x_{20}$	$+0.14x_{31}$	$+0.57x_3$	$+0.71x_{25}$
z	-0.857142857143	$+0.00x_6$	$-6.00x_2$	$-0.29x_{20}$	$-0.29x_{31}$	$-6.14x_3$	$-0.43x_{25}$

After cutting plane is added

x_9	30.8095238095	$-5.33x_6$	$-6.33x_2$	$-6.95x_{20}$	$+2.38x_{31}$	$+12.52x_3$	$+1.24x_{25}$
x_8	23.4761904762	$-7.67x_6$	$-10.67x_2$	$+0.38x_{20}$	$-3.95x_{31}$	$+10.19x_3$	$-0.10x_{25}$
x_5	2.52380952381	$-0.33x_6$	$-0.33x_2$	$-0.38x_{20}$	$-0.05x_{31}$	$+0.81x_3$	$+0.10x_{25}$
x_1	0.761904761905	$+0.33x_6$	$+0.33x_2$	$-0.19x_{20}$	$+0.48x_{31}$	$-0.10x_3$	$+0.05x_{25}$
x_7	56.8571428571	$-15.00x_6$	$-15.00x_2$	$-9.71x_{20}$	$-4.71x_{31}$	$+16.14x_3$	$+0.43x_{25}$
x_{10}	12.5238095238	$+0.67x_6$	$-9.33x_2$	$-3.38x_{20}$	$+1.95x_{31}$	$+0.81x_3$	$+0.10x_{25}$
x_4	5.0	$-1.00x_6$	$-2.00x_2$	$-1.00x_{20}$		$-0.00x_3$	$+0.00x_{25}$
x_{14}	3.57142857143	$-0.00x_6$	$-1.00x_2$	$-0.14x_{20}$	$+2.86x_{31}$	$-1.57x_3$	$+0.29x_{25}$
x_{22}	0.619047619048	$+0.33x_6$	$+0.33x_2$	$-0.90x_{20}$	$+1.76x_{31}$	$+0.05x_3$	$+0.48x_{25}$
x_{11}	0.761904761905	$+0.33x_6$	$+0.33x_2$	$-3.19x_{20}$	$+0.48x_{31}$	$-0.10x_3$	$+1.05x_{25}$
x_{17}	4.52380952381	$-0.33x_6$	$-1.33x_2$	$+1.62x_{20}$	$+2.95x_{31}$	$-2.19x_3$	$+0.10x_{25}$
x_{18}	2.52380952381	$+0.67x_6$	$-0.33x_2$	$-2.38x_{20}$	$+3.95x_{31}$	$-1.19x_3$	$+0.10x_{25}$
x_{19}	3.09523809524	$-0.33x_6$	$-0.33x_2$	$-0.52x_{20}$	$+2.81x_{31}$	$-1.76x_3$	$+0.38x_{25}$
x_{13}	1.66666666667	$-1.33x_6$	$-1.33x_2$	$+5.33x_{20}$	$-1.33x_{31}$	$-1.33x_3$	$-0.33x_{25}$
x_{15}	0.666666666667	$-0.33x_6$	$-0.33x_2$	$+0.33x_{20}$	$-0.33x_{31}$	$-0.33x_3$	$+0.67x_{25}$
x_{21}	1.19047619048	$+0.33x_6$	$+0.33x_2$	$-2.05x_{20}$	$+1.62x_{31}$	$-0.52x_3$	$+0.76x_{25}$
x_{23}	3.0	$-0.00x_6$	$-0.00x_2$	$-1.00x_{20}$	$+4.00x_{31}$	$-1.00x_3$	$+0.00x_{25}$
x_{24}	2.33333333333	$+0.33x_6$	$+0.33x_2$	$-2.33x_{20}$	$+4.33x_{31}$	$-1.67x_3$	$+0.33x_{25}$
x_{16}	0.238095238096	$+0.67x_6$	$+0.67x_2$	$-2.81x_{20}$	$+0.52x_{31}$	$+0.10x_3$	$+0.95x_{25}$
x_{12}	2.85714285714	$+0.00x_6$	$-1.00x_2$	$-0.71x_{20}$	$+4.29x_{31}$	$-1.86x_3$	$-0.57x_{25}$
x_{27}	2.19047619048	$+0.33x_6$	$+0.33x_2$	$-2.05x_{20}$	$+3.62x_{31}$	$-1.52x_3$	$+0.76x_{25}$
x_{28}	1.19047619048	$+0.33x_6$	$+0.33x_2$	$-2.05x_{20}$	$+1.62x_{31}$	$-0.52x_3$	$+0.76x_{25}$
x_{29}	0.571428571429	$-0.00x_6$	$-0.00x_2$	$-0.14x_{20}$	$+0.86x_{31}$	$+0.43x_3$	$+0.29x_{25}$
x_{30}	3.0	$-0.00x_6$	$-0.00x_2$	$-1.00x_{20}$	$+4.00x_{31}$	$-1.00x_3$	$+0.00x_{25}$
x_{26}	1.57142857143	$-0.00x_6$	$-0.00x_2$	$-0.14x_{20}$	$+2.86x_{31}$	$-0.57x_3$	$+0.29x_{25}$
x_{32}	0.571428571429	$-0.00x_6$	$-0.00x_2$	$-0.14x_{20}$	$+0.86x_{31}$	$+0.43x_3$	$+0.29x_{25}$
x_{33}	1.33333333333	$+0.33x_6$	$+0.33x_2$	$-2.33x_{20}$	$+1.33x_{31}$	$-0.67x_3$	$+1.33x_{25}$
x_{34}	0.428571428572	$-0.00x_6$	$-0.00x_2$	$+0.14x_{20}$	$+0.14x_{31}$	$+0.57x_3$	$+0.71x_{25}$
x_{35}	-0.809523809524	$+0.33x_6$	$+0.33x_2$	$+0.95x_{20}$	$+0.62x_{31}$	$+0.48x_3$	$+0.76x_{25}$
x_{36}	-0.47619047619	$+0.67x_6$	$+0.67x_2$	$+0.62x_{20}$	$+0.95x_{31}$	$+0.81x_3$	$+0.10x_{25}$
x_{37}	-0.52380952381	$+0.33x_6$	$+0.33x_2$	$+0.38x_{20}$	$+0.05x_{31}$	$+0.19x_3$	$+0.90x_{25}$
x_{38}	-0.761904761905	$+0.67x_6$	$+0.67x_2$	$+0.19x_{20}$	$+0.52x_{31}$	$+0.10x_3$	$+0.95x_{25}$
x_{39}	-0.857142857143	$+0.00x_6$	$+0.00x_2$	$+0.71x_{20}$	$+0.71x_{31}$	$+0.86x_3$	$+0.57x_{25}$
x_{40}	-0.52380952381	$+0.33x_6$	$+0.33x_2$	$+0.38x_{20}$	$+0.05x_{31}$	$+0.19x_3$	$+0.90x_{25}$
x_{41}	-0.571428571429	$+0.00x_6$	$+0.00x_2$	$+0.14x_{20}$	$+0.14x_{31}$	$+0.57x_3$	$+0.71x_{25}$
x_{42}	-0.619047619048	$+0.67x_6$	$+0.67x_2$	$+0.90x_{20}$	$+0.24x_{31}$	$+0.95x_3$	$+0.52x_{25}$
x_{43}	-0.761904761905	$+0.67x_6$	$+0.67x_2$	$+0.19x_{20}$	$+0.52x_{31}$	$+0.10x_3$	$+0.95x_{25}$
x_{44}	-0.52380952381	$+0.33x_6$	$+0.33x_2$	$+0.38x_{20}$	$+0.05x_{31}$	$+0.19x_3$	$+0.90x_{25}$
x_{45}	-0.52380952381	$+0.33x_6$	$+0.33x_2$	$+0.38x_{20}$	$+0.05x_{31}$	$+0.19x_3$	$+0.90x_{25}$
x_{46}	-0.0952380952383	$+0.33x_6$	$+0.33x_2$	$+0.52x_{20}$	$+0.19x_{31}$	$+0.76x_3$	$+0.62x_{25}$
x_{47}	-0.666666666667	$+0.33x_6$	$+0.33x_2$	$+0.67x_{20}$	$+0.33x_{31}$	$+0.33x_3$	$+0.33x_{25}$
x_{48}	-0.666666666667	$+0.33x_6$	$+0.33x_2$	$+0.67x_{20}$	$+0.33x_{31}$	$+0.33x_3$	$+0.33x_{25}$
x_{49}	-0.190476190476	$+0.67x_6$	$+0.67x_2$	$+0.05x_{20}$	$+0.38x_{31}$	$+0.52x_3$	$+0.24x_{25}$
x_{50}	-0.333333333333	$+0.67x_6$	$+0.67x_2$	$+0.33x_{20}$	$+0.67x_{31}$	$+0.67x_3$	$+0.67x_{25}$
x_{51}	-0.238095238096	$+0.33x_6$	$+0.33x_2$	$+0.81x_{20}$	$+0.48x_{31}$	$+0.90x_3$	$+0.05x_{25}$
x_{52}	-0.857142857143	$+1.00x_6$	$+1.00x_2$	$+0.71x_{20}$	$+0.71x_{31}$	$+0.86x_3$	$+0.57x_{25}$
x_{53}	-0.190476190476	$+0.67x_6$	$+0.67x_2$	$+0.05x_{20}$	$+0.38x_{31}$	$+0.52x_3$	$+0.24x_{25}$
x_{54}	-0.190476190476	$+0.67x_6$	$+0.67x_2$	$+0.05x_{20}$	$+0.38x_{31}$	$+0.52x_3$	$+0.24x_{25}$
x_{55}	-0.571428571429	$+0.00x_6$	$+0.00x_2$	$+0.14x_{20}$	$+0.14x_{31}$	$+0.57x_3$	$+0.71x_{25}$
x_{56}	-0.571428571429	$+0.00x_6$	$+0.00x_2$	$+0.14x_{20}$	$+0.14x_{31}$	$+0.57x_3$	$+0.71x_{25}$
x_{57}	-0.571428571429	$+0.00x_6$	$+0.00x_2$	$+0.14x_{20}$	$+0.14x_{31}$	$+0.57x_3$	$+0.71x_{25}$
x_{58}	-0.333333333334	$+0.67x_6$	$+0.67x_2$	$+0.33x_{20}$	$+0.67x_{31}$	$+0.67x_3$	$+0.67x_{25}$
x_{59}	-0.428571428572	$+0.00x_6$	$+0.00x_2$	$+0.86x_{20}$	$+0.86x_{31}$	$+0.43x_3$	$+0.29x_{25}$
z	-0.857142857143	$+0.00x_6$	$-6.00x_2$	$-0.29x_{20}$	$-0.29x_{31}$	$-6.14x_3$	$-0.43x_{25}$

Forming the dual dictionary:

The Final Dual Dictionary is:

Final primal dictionary obtained:

x_9	29.5	$-0.50x_{13}$	$-1.00x_2$	$+10.50x_{39}$	$-18.00x_{47}$	$+8.00x_3$	$+1.50x_{41}$
x_8	16.1666666667	$+1.50x_{13}$	$-3.00x_2$	$+4.17x_{39}$	$-17.00x_{47}$	$+11.33x_3$	$+5.17x_{41}$
x_5	2.33333333333	$-0.00x_{13}$	$-0.00x_2$	$+0.33x_{39}$	$-1.00x_{47}$	$+0.67x_3$	$+0.33x_{41}$
x_1	1.29166666667	$-0.12x_{13}$	$+0.00x_2$	$+0.29x_{39}$	$+0.50x_{47}$	$-0.42x_3$	$-0.46x_{41}$
x_7	44.4166666667	$+1.25x_{13}$	$-0.00x_2$	$+12.42x_{39}$	$-40.00x_{47}$	$+14.83x_3$	$+9.92x_{41}$
x_{10}	14.0833333333	$-0.75x_{13}$	$-10.00x_2$	$+2.08x_{39}$	$-1.00x_{47}$	$-0.83x_3$	$-1.42x_{41}$
x_4	4.33333333333	$-0.00x_{13}$	$-1.00x_2$	$+1.33x_{39}$	$-3.00x_{47}$	$-0.33x_3$	$+0.33x_{41}$
x_{14}	5.54166666667	$-0.38x_{13}$	$-1.00x_2$	$+4.54x_{39}$	$-1.50x_{47}$	$-3.92x_3$	$-2.71x_{41}$
x_{22}	2.20833333333	$-0.38x_{13}$	$-0.00x_2$	$+2.21x_{39}$	$-0.50x_{47}$	$-1.58x_3$	$-1.04x_{41}$
x_{11}	1.83333333333	$-0.50x_{13}$	$-0.00x_2$	$-0.17x_{39}$	$-1.00x_{47}$	$-1.33x_3$	$+1.83x_{41}$
x_{17}	6.29166666667	$-0.13x_{13}$	$-1.00x_2$	$+5.29x_{39}$	$-1.50x_{47}$	$-4.42x_3$	$-3.46x_{41}$
x_{18}	5.375	$-0.88x_{13}$	$-1.00x_2$	$+5.38x_{39}$	$-1.50x_{47}$	$-4.25x_3$	$-3.87x_{41}$
x_{19}	4.875	$-0.38x_{13}$	$-0.00x_2$	$+4.88x_{39}$	$-2.50x_{47}$	$-4.25x_3$	$-2.37x_{41}$
x_6	0.625	$-0.12x_{13}$	$-1.00x_2$	$-1.38x_{39}$	$+2.50x_{47}$	$+0.25x_3$	$-0.13x_{41}$
x_{15}	0.708333333334	$+0.12x_{13}$	$-0.00x_2$	$-0.29x_{39}$	$-0.50x_{47}$	$-0.58x_3$	$+1.46x_{41}$
x_{21}	2.83333333333	$-0.50x_{13}$	$-0.00x_2$	$+1.83x_{39}$	$-1.00x_{47}$	$-2.33x_3$	$-0.17x_{41}$
x_{23}	5.45833333333	$-0.63x_{13}$	$-0.00x_2$	$+6.46x_{39}$	$-2.50x_{47}$	$-4.08x_3$	$-4.29x_{41}$
x_{24}	5.375	$-0.88x_{13}$	$-0.00x_2$	$+6.38x_{39}$	$-2.50x_{47}$	$-5.25x_3$	$-3.87x_{41}$
x_{16}	1.5	$-0.50x_{13}$	$-0.00x_2$	$-0.50x_{39}$	$-0.00x_{47}$	$-1.00x_3$	$+1.50x_{41}$
x_{12}	5.125	$-0.63x_{13}$	$-1.00x_2$	$+7.12x_{39}$	$-2.50x_{47}$	$-4.75x_3$	$-5.63x_{41}$
x_{27}	5.08333333333	$-0.75x_{13}$	$-0.00x_2$	$+5.08x_{39}$	$-2.00x_{47}$	$-4.83x_3$	$-2.42x_{41}$
x_{28}	2.83333333333	$-0.50x_{13}$	$-0.00x_2$	$+1.83x_{39}$	$-1.00x_{47}$	$-2.33x_3$	$-0.17x_{41}$
x_{29}	1.29166666667	$-0.13x_{13}$	$-0.00x_2$	$+1.29x_{39}$	$-0.50x_{47}$	$-0.42x_3$	$-0.46x_{41}$
x_{30}	5.45833333333	$-0.63x_{13}$	$-0.00x_2$	$+6.46x_{39}$	$-2.50x_{47}$	$-4.08x_3$	$-4.29x_{41}$
x_{26}	3.54166666667	$-0.38x_{13}$	$-0.00x_2$	$+4.54x_{39}$	$-1.50x_{47}$	$-2.92x_3$	$-2.71x_{41}$
x_{32}	1.29166666667	$-0.13x_{13}$	$-0.00x_2$	$+1.29x_{39}$	$-0.50x_{47}$	$-0.42x_3$	$-0.46x_{41}$
x_{33}	3.16666666667	$-0.50x_{13}$	$-0.00x_2$	$+1.17x_{39}$	$-1.00x_{47}$	$-2.67x_3$	$+1.17x_{41}$
x_{34}	1.0	$-0.00x_{13}$	$-0.00x_2$	$+0.00x_{39}$	$-0.00x_{47}$	$-0.00x_3$	$+1.00x_{41}$
x_{31}	0.625	$-0.13x_{13}$	$-0.00x_2$	$+1.63x_{39}$	$-0.50x_{47}$	$-0.75x_3$	$-1.12x_{41}$
x_{36}	0.625	$-0.12x_{13}$	$+0.00x_2$	$+0.62x_{39}$	$+1.50x_{47}$	$+0.25x_3$	$-1.13x_{41}$
x_{35}	0.333333333333	$+0.00x_{13}$	$+0.00x_2$	$+0.33x_{39}$	$+1.00x_{47}$	$-0.33x_3$	$+0.33x_{41}$
x_{38}	0.625	$-0.12x_{13}$	$+0.00x_2$	$-0.38x_{39}$	$+1.50x_{47}$	$-0.75x_3$	$+0.87x_{41}$
x_{37}	0.333333333333	$+0.00x_{13}$	$+0.00x_2$	$-0.67x_{39}$	$+1.00x_{47}$	$-0.33x_3$	$+1.33x_{41}$
x_{40}	0.333333333333	$+0.00x_{13}$	$+0.00x_2$	$-0.67x_{39}$	$+1.00x_{47}$	$-0.33x_3$	$+1.33x_{41}$
x_{25}	0.666666666667	$+0.00x_{13}$	$-0.00x_2$	$-0.33x_{39}$	$-0.00x_{47}$	$-0.67x_3$	$+1.67x_{41}$
x_{42}	0.333333333333	$+0.00x_{13}$	$+0.00x_2$	$-0.67x_{39}$	$+2.00x_{47}$	$+0.67x_3$	$+0.33x_{41}$
x_{43}	0.625	$-0.12x_{13}$	$+0.00x_2$	$-0.38x_{39}$	$+1.50x_{47}$	$-0.75x_3$	$+0.87x_{41}$
x_{44}	0.333333333333	$+0.00x_{13}$	$+0.00x_2$	$-0.67x_{39}$	$+1.00x_{47}$	$-0.33x_3$	$+1.33x_{41}$
x_{45}	0.333333333333	$+0.00x_{13}$	$+0.00x_2$	$-0.67x_{39}$	$+1.00x_{47}$	$-0.33x_3$	$+1.33x_{41}$
x_{46}	0.666666666666	$+0.00x_{13}$	$+0.00x_2$	$-0.33x_{39}$	$+1.00x_{47}$	$+0.33x_3$	$+0.67x_{41}$
x_{20}	0.0416666666666	$+0.13x_{13}$	$+0.00x_2$	$+0.04x_{39}$	$+0.50x_{47}$	$+0.08x_3$	$-0.21x_{41}$
x_{48}	$-2.81177858774e-13$	$+0.00x_{13}$	$+0.00x_2$	$-0.00x_{39}$	$+1.00x_{47}$	$+0.00x_3$	$-0.00x_{41}$
x_{49}	0.625	$-0.12x_{13}$	$+0.00x_2$	$-0.38x_{39}$	$+1.50x_{47}$	$+0.25x_3$	$-0.13x_{41}$
x_{50}	0.958333333333	$-0.12x_{13}$	$+0.00x_2$	$-0.04x_{39}$	$+1.50x_{47}$	$-0.08x_3$	$+0.21x_{41}$
x_{51}	0.333333333333	$+0.00x_{13}$	$+0.00x_2$	$+0.33x_{39}$	$+1.00x_{47}$	$+0.67x_3$	$-0.67x_{41}$
x_{52}	0.625	$-0.12x_{13}$	$+0.00x_2$	$-0.38x_{39}$	$+2.50x_{47}$	$+0.25x_3$	$-0.13x_{41}$
x_{53}	0.625	$-0.12x_{13}$	$+0.00x_2$	$-0.38x_{39}$	$+1.50x_{47}$	$+0.25x_3$	$-0.13x_{41}$
x_{54}	0.625	$-0.12x_{13}$	$+0.00x_2$	$-0.38x_{39}$	$+1.50x_{47}$	$+0.25x_3$	$-0.13x_{41}$
x_{55}	$-6.11432201166e-15$	$+0.00x_{13}$	$+0.00x_2$	$+0.00x_{39}$	$-0.00x_{47}$	$-0.00x_3$	$+1.00x_{41}$
x_{56}	$-2.01355136268e-14$	$+0.00x_{13}$	$+0.00x_2$	$-0.00x_{39}$	$+0.00x_{47}$	$-0.00x_3$	$+1.00x_{41}$
x_{57}	$-2.82106514075e-14$	$+0.00x_{13}$	$-0.00x_2$	$-0.00x_{39}$	$+0.00x_{47}$	$-0.00x_3$	$+1.00x_{41}$
x_{58}	0.958333333333	$-0.12x_{13}$	$+0.00x_2$	$-0.04x_{39}$	$+1.50x_{47}$	$-0.08x_3$	$+0.21x_{41}$
x_{59}	0.333333333333	$-0.00x_{13}$	$+0.00x_2$	$+1.33x_{39}$	$+0.00x_{47}$	$-0.33x_3$	$-0.67x_{41}$
z	-1.33333333333	$+0.00x_{13}$	$-6.00x_2$	$-0.33x_{39}$	$+0.00x_{47}$	$-5.67x_3$	$-0.33x_{41}$

After cutting plane is added

x_9	29.5	$-0.50x_{13}\ -1.00x_2\ +10.50x_{39}\ -18.00x_{47}\ +8.00x_3\ +1.50x_{41}$
x_8	16.1666666667	$+1.50x_{13}\ -3.00x_2\ +4.17x_{39}\ -17.00x_{47}\ +11.33x_3\ +5.17x_{41}$
x_5	2.33333333333	$-0.00x_{13}\ -0.00x_2\ +0.33x_{39}\ -1.00x_{47}\ +0.67x_3\ +0.33x_{41}$
x_1	1.29166666667	$-0.12x_{13}\ +0.00x_2\ +0.29x_{39}\ +0.50x_{47}\ -0.42x_3\ -0.46x_{41}$
x_7	44.4166666667	$+1.25x_{13}\ -0.00x_2\ +12.42x_{39}\ -40.00x_{47}\ +14.83x_3\ +9.92x_{41}$
x_{10}	14.0833333333	$-0.75x_{13}\ -10.00x_2\ +2.08x_{39}\ -1.00x_{47}\ -0.83x_3\ -1.42x_{41}$
x_4	4.33333333333	$-0.00x_{13}\ -1.00x_2\ +1.33x_{39}\ -3.00x_{47}\ -0.33x_3\ +0.33x_{41}$
x_{14}	5.54166666667	$-0.38x_{13}\ -1.00x_2\ +4.54x_{39}\ -1.50x_{47}\ -3.92x_3\ -2.71x_{41}$
x_{22}	2.20833333333	$-0.38x_{13}\ -0.00x_2\ +2.21x_{39}\ -0.50x_{47}\ -1.58x_3\ -1.04x_{41}$
x_{11}	1.83333333333	$-0.50x_{13}\ -0.00x_2\ -0.17x_{39}\ -1.00x_{47}\ -1.33x_3\ +1.83x_{41}$
x_{17}	6.29166666667	$-0.13x_{13}\ -1.00x_2\ +5.29x_{39}\ -1.50x_{47}\ -4.42x_3\ -3.46x_{41}$
x_{18}	5.375	$-0.88x_{13}\ -1.00x_2\ +5.38x_{39}\ -1.50x_{47}\ -4.25x_3\ -3.87x_{41}$
x_{19}	4.875	$-0.38x_{13}\ -0.00x_2\ +4.88x_{39}\ -2.50x_{47}\ -4.25x_3\ -2.37x_{41}$
x_6	0.625	$-0.12x_{13}\ -1.00x_2\ -1.38x_{39}\ +2.50x_{47}\ +0.25x_3\ -0.13x_{41}$
x_{15}	0.708333333334	$+0.12x_{13}\ -0.00x_2\ -0.29x_{39}\ -0.50x_{47}\ -0.58x_3\ +1.46x_{41}$
x_{21}	2.83333333333	$-0.50x_{13}\ -0.00x_2\ +1.83x_{39}\ -1.00x_{47}\ -2.33x_3\ -0.17x_{41}$
x_{23}	5.45833333333	$-0.63x_{13}\ -0.00x_2\ +6.46x_{39}\ -2.50x_{47}\ -4.08x_3\ -4.29x_{41}$
x_{24}	5.375	$-0.88x_{13}\ -0.00x_2\ +6.38x_{39}\ -2.50x_{47}\ -5.25x_3\ -3.87x_{41}$
x_{16}	1.5	$-0.50x_{13}\ -0.00x_2\ -0.50x_{39}\ -0.00x_{47}\ -1.00x_3\ +1.50x_{41}$
x_{12}	5.125	$-0.63x_{13}\ -1.00x_2\ +7.12x_{39}\ -2.50x_{47}\ -4.75x_3\ -5.63x_{41}$
x_{27}	5.08333333333	$-0.75x_{13}\ -0.00x_2\ +5.08x_{39}\ -2.00x_{47}\ -4.83x_3\ -2.42x_{41}$
x_{28}	2.83333333333	$-0.50x_{13}\ -0.00x_2\ +1.83x_{39}\ -1.00x_{47}\ -2.33x_3\ -0.17x_{41}$
x_{29}	1.29166666667	$-0.13x_{13}\ -0.00x_2\ +1.29x_{39}\ -0.50x_{47}\ -0.42x_3\ -0.46x_{41}$
x_{30}	5.45833333333	$-0.63x_{13}\ -0.00x_2\ +6.46x_{39}\ -2.50x_{47}\ -4.08x_3\ -4.29x_{41}$
x_{26}	3.54166666667	$-0.38x_{13}\ -0.00x_2\ +4.54x_{39}\ -1.50x_{47}\ -2.92x_3\ -2.71x_{41}$
x_{32}	1.29166666667	$-0.13x_{13}\ -0.00x_2\ +1.29x_{39}\ -0.50x_{47}\ -0.42x_3\ -0.46x_{41}$
x_{33}	3.16666666667	$-0.50x_{13}\ -0.00x_2\ +1.17x_{39}\ -1.00x_{47}\ -2.67x_3\ +1.17x_{41}$
x_{34}	1.0	$-0.00x_{13}\ -0.00x_2\ +0.00x_{39}\ -0.00x_{47}\ -0.00x_3\ +1.00x_{41}$
x_{31}	0.625	$-0.13x_{13}\ -0.00x_2\ +1.63x_{39}\ -0.50x_{47}\ -0.75x_3\ -1.12x_{41}$
x_{36}	0.625	$-0.12x_{13}\ +0.00x_2\ +0.62x_{39}\ +1.50x_{47}\ +0.25x_3\ -1.13x_{41}$
x_{35}	0.333333333333	$+0.00x_{13}\ +0.00x_2\ +0.33x_{39}\ +1.00x_{47}\ -0.33x_3\ +0.33x_{41}$
x_{38}	0.625	$-0.12x_{13}\ +0.00x_2\ -0.38x_{39}\ +1.50x_{47}\ -0.75x_3\ +0.87x_{41}$
x_{37}	0.333333333333	$+0.00x_{13}\ +0.00x_2\ -0.67x_{39}\ +1.00x_{47}\ -0.33x_3\ +1.33x_{41}$
x_{40}	0.333333333333	$+0.00x_{13}\ +0.00x_2\ -0.67x_{39}\ +1.00x_{47}\ -0.33x_3\ +1.33x_{41}$
x_{25}	0.666666666667	$+0.00x_{13}\ -0.00x_2\ -0.33x_{39}\ -0.00x_{47}\ -0.67x_3\ +1.67x_{41}$
x_{42}	0.333333333333	$+0.00x_{13}\ +0.00x_2\ -0.67x_{39}\ +2.00x_{47}\ +0.67x_3\ +0.33x_{41}$
x_{43}	0.625	$-0.12x_{13}\ +0.00x_2\ -0.38x_{39}\ +1.50x_{47}\ -0.75x_3\ +0.87x_{41}$
x_{44}	0.333333333333	$+0.00x_{13}\ +0.00x_2\ -0.67x_{39}\ +1.00x_{47}\ -0.33x_3\ +1.33x_{41}$
x_{45}	0.333333333333	$+0.00x_{13}\ +0.00x_2\ -0.67x_{39}\ +1.00x_{47}\ -0.33x_3\ +1.33x_{41}$
x_{46}	0.666666666666	$+0.00x_{13}\ +0.00x_2\ -0.33x_{39}\ +1.00x_{47}\ +0.33x_3\ +0.67x_{41}$
x_{20}	0.0416666666666	$+0.13x_{13}\ +0.00x_2\ +0.04x_{39}\ +0.50x_{47}\ +0.08x_3\ -0.21x_{41}$
x_{48}	$-2.81177858774e-13$	$+0.00x_{13}\ +0.00x_2\ -0.00x_{39}\ +1.00x_{47}\ +0.00x_3\ -0.00x_{41}$
x_{49}	0.625	$-0.12x_{13}\ +0.00x_2\ -0.38x_{39}\ +1.50x_{47}\ +0.25x_3\ -0.13x_{41}$
x_{50}	0.958333333333	$-0.12x_{13}\ +0.00x_2\ -0.04x_{39}\ +1.50x_{47}\ -0.08x_3\ +0.21x_{41}$
x_{51}	0.333333333333	$+0.00x_{13}\ +0.00x_2\ +0.33x_{39}\ +1.00x_{47}\ +0.67x_3\ -0.67x_{41}$
x_{52}	0.625	$-0.12x_{13}\ +0.00x_2\ -0.38x_{39}\ +2.50x_{47}\ +0.25x_3\ -0.13x_{41}$
x_{53}	0.625	$-0.12x_{13}\ +0.00x_2\ -0.38x_{39}\ +1.50x_{47}\ +0.25x_3\ -0.13x_{41}$
x_{54}	0.625	$-0.12x_{13}\ +0.00x_2\ -0.38x_{39}\ +1.50x_{47}\ +0.25x_3\ -0.13x_{41}$
x_{55}	$-6.11432201166e-15$	$+0.00x_{13}\ +0.00x_2\ +0.00x_{39}\ -0.00x_{47}\ -0.00x_3\ +1.00x_{41}$
x_{56}	$-2.01355136268e-14$	$+0.00x_{13}\ +0.00x_2\ -0.00x_{39}\ +0.00x_{47}\ -0.00x_3\ +1.00x_{41}$
x_{57}	$-2.82106514075e-14$	$+0.00x_{13}\ -0.00x_2\ -0.00x_{39}\ +0.00x_{47}\ -0.00x_3\ +1.00x_{41}$
x_{58}	0.958333333333	$-0.12x_{13}\ +0.00x_2\ -0.04x_{39}\ +1.50x_{47}\ -0.08x_3\ +0.21x_{41}$
x_{59}	0.333333333333	$-0.00x_{13}\ +0.00x_2\ +1.33x_{39}\ +0.00x_{47}\ -0.33x_3\ -0.67x_{41}$
x_{60}	-0.500000000003	$+0.50x_{13}\ +0.00x_2\ +0.50x_{39}\ +0.00x_{47}\ +0.00x_3\ +0.50x_{41}$
x_{61}	-0.16666666667	$+0.50x_{13}\ +0.00x_2\ +0.83x_{39}\ +0.00x_{47}\ +0.67x_3\ +0.83x_{41}$
x_{62}	-0.333333333334	$+0.00x_{13}\ +0.00x_2\ +0.67x_{39}\ +0.00x_{47}\ +0.33x_3\ +0.67x_{41}$
x_{63}	-0.291666666667	$+0.12x_{13}\ +1.00x_2\ +0.71x_{39}\ +0.50x_{47}\ +0.42x_3\ +0.46x_{41}$
x_{64}	-0.416666666673	$+0.75x_{13}\ +0.00x_2\ +0.58x_{39}\ +0.00x_{47}\ +0.17x_3\ +0.08x_{41}$
x_{65}	-0.0833333333335	$+0.75x_{13}\ +0.00x_2\ +0.92x_{39}\ +0.00x_{47}\ +0.83x_3\ +0.42x_{41}$

Forming the dual dictionary:

The Final Dual Dictionary is:

Final primal dictionary obtained:

x_9	11.5	$+8.00x_{69}$	$+44.00x_2$	$+38.50x_{62}$	$-9.00x_{31}$	$-10.50x_3$	$-45.00x_{101}$
x_8	1.62500000001	$+11.50x_{69}$	$+44.25x_2$	$+38.63x_{62}$	$-13.25x_{31}$	$-11.38x_3$	$-47.25x_{101}$
x_5	1.375	$+0.50x_{69}$	$+2.75x_2$	$+2.38x_{62}$	$-0.75x_{31}$	$-0.63x_3$	$-2.75x_{101}$
x_1	1.625	$-0.50x_{69}$	$-1.75x_2$	$-1.38x_{62}$	$+0.75x_{31}$	$+0.63x_3$	$+1.75x_{101}$
x_7	6.87500000002	$+22.50x_{69}$	$+108.75x_2$	$+89.88x_{62}$	$-28.75x_{31}$	$-35.13x_3$	$-108.75x_{101}$
x_{10}	12.0	$-1.00x_{69}$	$-9.00x_2$	$+1.00x_{62}$	$+1.00x_{31}$	$+0.00x_3$	$-1.00x_{101}$
x_4	1.375	$+1.50x_{69}$	$+6.75x_2$	$+6.38x_{62}$	$-1.75x_{31}$	$-3.63x_3$	$-7.75x_{101}$
x_{14}	3.75	$+0.00x_{69}$	$-0.50x_2$	$+0.75x_{62}$	$+2.50x_{31}$	$-2.25x_3$	$-0.50x_{101}$
x_{22}	1.375	$-0.50x_{69}$	$-0.25x_2$	$+0.37x_{62}$	$+1.25x_{31}$	$-0.62x_3$	$+0.25x_{101}$
x_{11}	0.375000000001	$-0.50x_{69}$	$+3.75x_2$	$+4.38x_{62}$	$-1.75x_{31}$	$-3.63x_3$	$-3.75x_{101}$
x_{17}	4.875	$+0.50x_{69}$	$-1.25x_2$	$-0.12x_{62}$	$+3.25x_{31}$	$-2.13x_3$	$+0.25x_{101}$
x_{18}	2.75	$-1.00x_{69}$	$-1.50x_2$	$-0.25x_{62}$	$+3.50x_{31}$	$-1.25x_3$	$+0.50x_{101}$
x_{19}	2.125	$+0.50x_{69}$	$+3.25x_2$	$+3.13x_{62}$	$+1.75x_{31}$	$-3.88x_3$	$-3.25x_{101}$
x_{41}	0.25	$+0.00x_{69}$	$+0.50x_2$	$+1.25x_{62}$	$-0.50x_{31}$	$-0.75x_3$	$-0.50x_{101}$
x_{15}	0.625000000001	$+0.50x_{69}$	$+2.25x_2$	$+2.63x_{62}$	$-1.25x_{31}$	$-2.38x_3$	$-2.25x_{101}$
x_{21}	1.375	$-0.50x_{69}$	$+1.75x_2$	$+2.38x_{62}$	$+0.25x_{31}$	$-2.63x_3$	$-1.75x_{101}$
x_{23}	2.25	$+0.00x_{69}$	$+1.50x_2$	$+1.25x_{62}$	$+3.50x_{31}$	$-1.75x_3$	$-1.50x_{101}$
x_{24}	1.875	$-0.50x_{69}$	$+1.75x_2$	$+1.88x_{62}$	$+3.25x_{31}$	$-3.13x_3$	$-1.75x_{101}$
x_{16}	1.0	$-1.00x_{69}$	$+1.00x_2$	$+2.00x_{62}$	$-1.00x_{31}$	$-2.00x_3$	$-1.00x_{101}$
x_{47}	1.125	$-0.50x_{69}$	$-2.75x_2$	$-1.88x_{62}$	$+0.75x_{31}$	$+1.13x_3$	$+2.75x_{101}$
x_{27}	2.375	$-0.50x_{69}$	$+1.75x_2$	$+2.38x_{62}$	$+2.25x_{31}$	$-3.63x_3$	$-1.75x_{101}$
x_{28}	1.375	$-0.50x_{69}$	$+1.75x_2$	$+2.38x_{62}$	$+0.25x_{31}$	$-2.63x_3$	$-1.75x_{101}$
x_{29}	0.75	$+0.00x_{69}$	$+0.50x_2$	$+0.75x_{62}$	$+0.50x_{31}$	$-0.25x_3$	$-0.50x_{101}$
x_{30}	2.25	$+0.00x_{69}$	$+1.50x_2$	$+1.25x_{62}$	$+3.50x_{31}$	$-1.75x_3$	$-1.50x_{101}$
x_{26}	1.75	$+0.00x_{69}$	$+0.50x_2$	$+0.75x_{62}$	$+2.50x_{31}$	$-1.25x_3$	$-0.50x_{101}$
x_{32}	0.75	$+0.00x_{69}$	$+0.50x_2$	$+0.75x_{62}$	$+0.50x_{31}$	$-0.25x_3$	$-0.50x_{101}$
x_{33}	1.875	$-0.50x_{69}$	$+2.75x_2$	$+3.88x_{62}$	$-0.75x_{31}$	$-4.13x_3$	$-2.75x_{101}$
x_{34}	1.25	$+0.00x_{69}$	$+0.50x_2$	$+1.25x_{62}$	$-0.50x_{31}$	$-0.75x_3$	$-0.50x_{101}$
x_{73}	0.25	$-0.00x_{69}$	$-0.50x_2$	$-0.75x_{62}$	$+0.50x_{31}$	$+1.25x_3$	$+1.50x_{101}$
x_{36}	2.0	$-1.00x_{69}$	$-5.00x_2$	$-4.00x_{62}$	$+2.00x_{31}$	$+3.00x_3$	$+5.00x_{101}$
x_{35}	1.625	$-0.50x_{69}$	$-2.75x_2$	$-1.38x_{62}$	$+0.75x_{31}$	$+0.63x_3$	$+2.75x_{101}$
x_{38}	2.25	$-1.00x_{69}$	$-3.50x_2$	$-1.75x_{62}$	$+0.50x_{31}$	$+0.25x_3$	$+3.50x_{101}$
x_{37}	1.625	$-0.50x_{69}$	$-1.75x_2$	$-0.38x_{62}$	$-0.25x_{31}$	$-0.37x_3$	$+1.75x_{101}$
x_{40}	1.625	$-0.50x_{69}$	$-1.75x_2$	$-0.38x_{62}$	$-0.25x_{31}$	$-0.37x_3$	$+1.75x_{101}$
x_{25}	1.0	$+0.00x_{69}$	$+1.00x_2$	$+2.00x_{62}$	$-1.00x_{31}$	$-2.00x_3$	$-1.00x_{101}$
x_{42}	2.5	$-1.00x_{69}$	$-5.00x_2$	$-3.50x_{62}$	$+1.00x_{31}$	$+2.50x_3$	$+5.00x_{101}$
x_{43}	2.25	$-1.00x_{69}$	$-3.50x_2$	$-1.75x_{62}$	$+0.50x_{31}$	$+0.25x_3$	$+3.50x_{101}$
x_{44}	1.625	$-0.50x_{69}$	$-1.75x_2$	$-0.38x_{62}$	$-0.25x_{31}$	$-0.37x_3$	$+1.75x_{101}$
x_{45}	1.625	$-0.50x_{69}$	$-1.75x_2$	$-0.38x_{62}$	$-0.25x_{31}$	$-0.37x_3$	$+1.75x_{101}$
x_{46}	1.875	$-0.50x_{69}$	$-2.25x_2$	$-1.13x_{62}$	$+0.25x_{31}$	$+0.88x_3$	$+2.25x_{101}$
x_{20}	0.75	$-0.00x_{69}$	$-1.50x_2$	$-1.25x_{62}$	$+0.50x_{31}$	$+0.75x_3$	$+1.50x_{101}$
x_{48}	1.125	$-0.50x_{69}$	$-2.75x_2$	$-1.88x_{62}$	$+0.75x_{31}$	$+1.13x_3$	$+2.75x_{101}$
x_{49}	2.0	$-1.00x_{69}$	$-4.00x_2$	$-3.00x_{62}$	$+1.00x_{31}$	$+2.00x_3$	$+4.00x_{101}$
x_{50}	2.5	$-1.00x_{69}$	$-4.00x_2$	$-2.50x_{62}$	$+1.00x_{31}$	$+1.50x_3$	$+4.00x_{101}$
x_{51}	1.375	$-0.50x_{69}$	$-3.25x_2$	$-2.63x_{62}$	$+1.25x_{31}$	$+2.38x_3$	$+3.25x_{101}$
x_{52}	3.125	$-1.50x_{69}$	$-6.75x_2$	$-4.88x_{62}$	$+1.75x_{31}$	$+3.13x_3$	$+6.75x_{101}$
x_{53}	2.0	$-1.00x_{69}$	$-4.00x_2$	$-3.00x_{62}$	$+1.00x_{31}$	$+2.00x_3$	$+4.00x_{101}$
x_{54}	2.0	$-1.00x_{69}$	$-4.00x_2$	$-3.00x_{62}$	$+1.00x_{31}$	$+2.00x_3$	$+4.00x_{101}$
x_{55}	0.25	$+0.00x_{69}$	$+0.50x_2$	$+1.25x_{62}$	$-0.50x_{31}$	$-0.75x_3$	$-0.50x_{101}$
x_{56}	0.25	$+0.00x_{69}$	$+0.50x_2$	$+1.25x_{62}$	$-0.50x_{31}$	$-0.75x_3$	$-0.50x_{101}$
x_{57}	0.25	$+0.00x_{69}$	$+0.50x_2$	$+1.25x_{62}$	$-0.50x_{31}$	$-0.75x_3$	$-0.50x_{101}$
x_{58}	2.5	$-1.00x_{69}$	$-4.00x_2$	$-2.50x_{62}$	$+1.00x_{31}$	$+1.50x_3$	$+4.00x_{101}$
x_{59}	0.5	$-0.00x_{69}$	$-1.00x_2$	$-0.50x_{62}$	$+1.00x_{31}$	$+0.50x_3$	$+1.00x_{101}$
x_{13}	1.5	$+2.00x_{69}$	$+0.00x_2$	$-0.50x_{62}$	$-0.00x_{31}$	$-0.50x_3$	$-0.00x_{101}$
x_{61}	0.999999999999	$+1.00x_{69}$	$-0.00x_2$	$+1.00x_{62}$	$+0.00x_{31}$	$+0.00x_3$	$+0.00x_{101}$
x_{39}	0.25	$-0.00x_{69}$	$-0.50x_2$	$+0.25x_{62}$	$+0.50x_{31}$	$+0.25x_3$	$+0.50x_{101}$
x_{63}	0.75	$-0.00x_{69}$	$-0.50x_2$	$-0.25x_{62}$	$+0.50x_{31}$	$+0.75x_3$	$+1.50x_{101}$
x_{64}	0.874999999998	$+1.50x_{69}$	$-0.25x_2$	$-0.13x_{62}$	$+0.25x_{31}$	$-0.12x_3$	$+0.25x_{101}$
x_{65}	1.375	$+1.50x_{69}$	$-0.25x_2$	$+0.38x_{62}$	$+0.25x_{31}$	$+0.37x_3$	$+0.25x_{101}$

After cutting plane is added

x_{9}	11.5	$+8.00x_{69}$	$+44.00x_{2}$	$+38.50x_{62}$	$-9.00x_{31}$	$-10.50x_{3}$	$-45.00x_{101}$
x_{8}	1.62500000001	$+11.50x_{69}$	$+44.25x_{2}$	$+38.63x_{62}$	$-13.25x_{31}$	$-11.38x_{3}$	$-47.25x_{101}$
x_{5}	1.375	$+0.50x_{69}$	$+2.75x_{2}$	$+2.38x_{62}$	$-0.75x_{31}$	$-0.63x_{3}$	$-2.75x_{101}$
x_{1}	1.625	$-0.50x_{69}$	$-1.75x_{2}$	$-1.38x_{62}$	$+0.75x_{31}$	$+0.63x_{3}$	$+1.75x_{101}$
x_{7}	6.87500000002	$+22.50x_{69}$	$+108.75x_{2}$	$+89.88x_{62}$	$-28.75x_{31}$	$-35.13x_{3}$	$-108.75x_{101}$
x_{10}	12.0	$-1.00x_{69}$	$-9.00x_{2}$	$+1.00x_{62}$	$+1.00x_{31}$	$+0.00x_{3}$	$-1.00x_{101}$
x_{4}	1.375	$+1.50x_{69}$	$+6.75x_{2}$	$+6.38x_{62}$	$-1.75x_{31}$	$-3.63x_{3}$	$-7.75x_{101}$
x_{14}	3.75	$+0.00x_{69}$	$-0.50x_{2}$	$+0.75x_{62}$	$+2.50x_{31}$	$-2.25x_{3}$	$-0.50x_{101}$
x_{22}	1.375	$-0.50x_{69}$	$-0.25x_{2}$	$+0.37x_{62}$	$+1.25x_{31}$	$-0.62x_{3}$	$+0.25x_{101}$
x_{11}	0.375000000001	$-0.50x_{69}$	$+3.75x_{2}$	$+4.38x_{62}$	$-1.75x_{31}$	$-3.63x_{3}$	$-3.75x_{101}$
x_{17}	4.875	$+0.50x_{69}$	$-1.25x_{2}$	$-0.12x_{62}$	$+3.25x_{31}$	$-2.13x_{3}$	$+0.25x_{101}$
x_{18}	2.75	$-1.00x_{69}$	$-1.50x_{2}$	$-0.25x_{62}$	$+3.50x_{31}$	$-1.25x_{3}$	$+0.50x_{101}$
x_{19}	2.125	$+0.50x_{69}$	$+3.25x_{2}$	$+3.13x_{62}$	$+1.75x_{31}$	$-3.88x_{3}$	$-3.25x_{101}$
x_{41}	0.25	$+0.00x_{69}$	$+0.50x_{2}$	$+1.25x_{62}$	$-0.50x_{31}$	$-0.75x_{3}$	$-0.50x_{101}$
x_{15}	0.625000000001	$+0.50x_{69}$	$+2.25x_{2}$	$+2.63x_{62}$	$-1.25x_{31}$	$-2.38x_{3}$	$-2.25x_{101}$
x_{21}	1.375	$-0.50x_{69}$	$+1.75x_{2}$	$+2.38x_{62}$	$+0.25x_{31}$	$-2.63x_{3}$	$-1.75x_{101}$
x_{23}	2.25	$+0.00x_{69}$	$+1.50x_{2}$	$+1.25x_{62}$	$+3.50x_{31}$	$-1.75x_{3}$	$-1.50x_{101}$
x_{24}	1.875	$-0.50x_{69}$	$+1.75x_{2}$	$+1.88x_{62}$	$+3.25x_{31}$	$-3.13x_{3}$	$-1.75x_{101}$
x_{16}	1.0	$-1.00x_{69}$	$+1.00x_{2}$	$+2.00x_{62}$	$-1.00x_{31}$	$-2.00x_{3}$	$-1.00x_{101}$
x_{47}	1.125	$-0.50x_{69}$	$-2.75x_{2}$	$-1.88x_{62}$	$+0.75x_{31}$	$+1.13x_{3}$	$+2.75x_{101}$
x_{27}	2.375	$-0.50x_{69}$	$+1.75x_{2}$	$+2.38x_{62}$	$+2.25x_{31}$	$-3.63x_{3}$	$-1.75x_{101}$
x_{28}	1.375	$-0.50x_{69}$	$+1.75x_{2}$	$+2.38x_{62}$	$+0.25x_{31}$	$-2.63x_{3}$	$-1.75x_{101}$
x_{29}	0.75	$+0.00x_{69}$	$+0.50x_{2}$	$+0.75x_{62}$	$+0.50x_{31}$	$-0.25x_{3}$	$-0.50x_{101}$
x_{30}	2.25	$+0.00x_{69}$	$+1.50x_{2}$	$+1.25x_{62}$	$+3.50x_{31}$	$-1.75x_{3}$	$-1.50x_{101}$
x_{26}	1.75	$+0.00x_{69}$	$+0.50x_{2}$	$+0.75x_{62}$	$+2.50x_{31}$	$-1.25x_{3}$	$-0.50x_{101}$
x_{32}	0.75	$+0.00x_{69}$	$+0.50x_{2}$	$+0.75x_{62}$	$+0.50x_{31}$	$-0.25x_{3}$	$-0.50x_{101}$
x_{33}	1.875	$-0.50x_{69}$	$+2.75x_{2}$	$+3.88x_{62}$	$-0.75x_{31}$	$-4.13x_{3}$	$-2.75x_{101}$
x_{34}	1.25	$+0.00x_{69}$	$+0.50x_{2}$	$+1.25x_{62}$	$-0.50x_{31}$	$-0.75x_{3}$	$-0.50x_{101}$
x_{73}	0.25	$-0.00x_{69}$	$-0.50x_{2}$	$-0.75x_{62}$	$+0.50x_{31}$	$+1.25x_{3}$	$+1.50x_{101}$
x_{36}	2.0	$-1.00x_{69}$	$-5.00x_{2}$	$-4.00x_{62}$	$+2.00x_{31}$	$+3.00x_{3}$	$+5.00x_{101}$
x_{35}	1.625	$-0.50x_{69}$	$-2.75x_{2}$	$-1.38x_{62}$	$+0.75x_{31}$	$+0.63x_{3}$	$+2.75x_{101}$
x_{38}	2.25	$-1.00x_{69}$	$-3.50x_{2}$	$-1.75x_{62}$	$+0.50x_{31}$	$+0.25x_{3}$	$+3.50x_{101}$
x_{37}	1.625	$-0.50x_{69}$	$-1.75x_{2}$	$-0.38x_{62}$	$-0.25x_{31}$	$-0.37x_{3}$	$+1.75x_{101}$
x_{40}	1.625	$-0.50x_{69}$	$-1.75x_{2}$	$-0.38x_{62}$	$-0.25x_{31}$	$-0.37x_{3}$	$+1.75x_{101}$
x_{25}	1.0	$+0.00x_{69}$	$+1.00x_{2}$	$+2.00x_{62}$	$-1.00x_{31}$	$-2.00x_{3}$	$-1.00x_{101}$
x_{42}	2.5	$-1.00x_{69}$	$-5.00x_{2}$	$-3.50x_{62}$	$+1.00x_{31}$	$+2.50x_{3}$	$+5.00x_{101}$
x_{43}	2.25	$-1.00x_{69}$	$-3.50x_{2}$	$-1.75x_{62}$	$+0.50x_{31}$	$+0.25x_{3}$	$+3.50x_{101}$
x_{44}	1.625	$-0.50x_{69}$	$-1.75x_{2}$	$-0.38x_{62}$	$-0.25x_{31}$	$-0.37x_{3}$	$+1.75x_{101}$
x_{45}	1.625	$-0.50x_{69}$	$-1.75x_{2}$	$-0.38x_{62}$	$-0.25x_{31}$	$-0.37x_{3}$	$+1.75x_{101}$
x_{46}	1.875	$-0.50x_{69}$	$-2.25x_{2}$	$-1.13x_{62}$	$+0.25x_{31}$	$+0.88x_{3}$	$+2.25x_{101}$
x_{20}	0.75	$-0.00x_{69}$	$-1.50x_{2}$	$-1.25x_{62}$	$+0.50x_{31}$	$+0.75x_{3}$	$+1.50x_{101}$
x_{48}	1.125	$-0.50x_{69}$	$-2.75x_{2}$	$-1.88x_{62}$	$+0.75x_{31}$	$+1.13x_{3}$	$+2.75x_{101}$
x_{49}	2.0	$-1.00x_{69}$	$-4.00x_{2}$	$-3.00x_{62}$	$+1.00x_{31}$	$+2.00x_{3}$	$+4.00x_{101}$
x_{50}	2.5	$-1.00x_{69}$	$-4.00x_{2}$	$-2.50x_{62}$	$+1.00x_{31}$	$+1.50x_{3}$	$+4.00x_{101}$
x_{51}	1.375	$-0.50x_{69}$	$-3.25x_{2}$	$-2.63x_{62}$	$+1.25x_{31}$	$+2.38x_{3}$	$+3.25x_{101}$
x_{52}	3.125	$-1.50x_{69}$	$-6.75x_{2}$	$-4.88x_{62}$	$+1.75x_{31}$	$+3.13x_{3}$	$+6.75x_{101}$
x_{53}	2.0	$-1.00x_{69}$	$-4.00x_{2}$	$-3.00x_{62}$	$+1.00x_{31}$	$+2.00x_{3}$	$+4.00x_{101}$
x_{54}	2.0	$-1.00x_{69}$	$-4.00x_{2}$	$-3.00x_{62}$	$+1.00x_{31}$	$+2.00x_{3}$	$+4.00x_{101}$
x_{55}	0.25	$+0.00x_{69}$	$+0.50x_{2}$	$+1.25x_{62}$	$-0.50x_{31}$	$-0.75x_{3}$	$-0.50x_{101}$
x_{56}	0.25	$+0.00x_{69}$	$+0.50x_{2}$	$+1.25x_{62}$	$-0.50x_{31}$	$-0.75x_{3}$	$-0.50x_{101}$
x_{57}	0.25	$+0.00x_{69}$	$+0.50x_{2}$	$+1.25x_{62}$	$-0.50x_{31}$	$-0.75x_{3}$	$-0.50x_{101}$
x_{58}	2.5	$-1.00x_{69}$	$-4.00x_{2}$	$-2.50x_{62}$	$+1.00x_{31}$	$+1.50x_{3}$	$+4.00x_{101}$
x_{59}	0.5	$-0.00x_{69}$	$-1.00x_{2}$	$-0.50x_{62}$	$+1.00x_{31}$	$+0.50x_{3}$	$+1.00x_{101}$
x_{13}	1.5	$+2.00x_{69}$	$+0.00x_{2}$	$-0.50x_{62}$	$-0.00x_{31}$	$-0.50x_{3}$	$-0.00x_{101}$
x_{61}	0.999999999999	$+1.00x_{69}$	$-0.00x_{2}$	$+1.00x_{62}$	$+0.00x_{31}$	$+0.00x_{3}$	$+0.00x_{101}$
x_{39}	0.25	$-0.00x_{69}$	$-0.50x_{2}$	$+0.25x_{62}$	$+0.50x_{31}$	$+0.25x_{3}$	$+0.50x_{101}$
x_{63}	0.75	$-0.00x_{69}$	$-0.50x_{2}$	$-0.25x_{62}$	$+0.50x_{31}$	$+0.75x_{3}$	$+1.50x_{101}$
x_{64}	0.874999999998	$+1.50x_{69}$	$-0.25x_{2}$	$-0.13x_{62}$	$+0.25x_{31}$	$-0.12x_{3}$	$+0.25x_{101}$
x_{65}	1.375	$+1.50x_{69}$	$-0.25x_{2}$	$+0.38x_{62}$	$+0.25x_{31}$	$+0.37x_{3}$	$+0.25x_{101}$

Forming the dual dictionary:

The Final Dual Dictionary is:

Final primal dictionary obtained:

x_{9}	19.7272727275	$+6.82x_{118}$	$+2.45x_{2}$	$+11.55x_{108}$	$+7.09x_{11}$	$+7.73x_{3}$	$-21.82x_{101}$
x_{112}	0.272727272692	$+1.18x_{118}$	$-0.45x_{2}$	$+0.45x_{108}$	$-0.09x_{11}$	$-0.73x_{3}$	$-0.18x_{101}$
x_{5}	1.63636363638	$+0.09x_{118}$	$+0.27x_{2}$	$+0.73x_{108}$	$+0.45x_{11}$	$+0.64x_{3}$	$-1.09x_{101}$
x_{1}	1.81818181817	$+0.55x_{118}$	$-0.36x_{2}$	$-0.64x_{108}$	$-0.27x_{11}$	$-0.18x_{3}$	$+0.45x_{101}$
x_{4}	2.45454545458	$+0.64x_{118}$	$-0.09x_{2}$	$+2.09x_{108}$	$+1.18x_{11}$	$-0.55x_{3}$	$-3.64x_{101}$
x_{10}	13.4545454545	$+2.64x_{118}$	$-10.09x_{2}$	$-0.91x_{108}$	$+0.18x_{11}$	$+0.45x_{3}$	$-1.64x_{101}$
x_{69}	0.272727272744	$-0.32x_{118}$	$-0.45x_{2}$	$+0.95x_{108}$	$-0.09x_{11}$	$-0.73x_{3}$	$-0.18x_{101}$
x_{14}	7.27272727272	$+4.68x_{118}$	$-2.45x_{2}$	$-0.05x_{108}$	$-0.09x_{11}$	$-3.73x_{3}$	$-3.18x_{101}$
x_{22}	2.99999999999	$+2.50x_{118}$	$-1.00x_{2}$	$-0.50x_{108}$	$-0.00x_{11}$	$-1.00x_{3}$	$-1.00x_{101}$
x_{7}	17.2727272733	$+1.68x_{118}$	$+13.55x_{2}$	$+30.95x_{108}$	$+16.91x_{11}$	$+10.27x_{3}$	$-46.18x_{101}$
x_{17}	9.09090909091	$+5.23x_{118}$	$-2.82x_{2}$	$+0.32x_{108}$	$-0.36x_{11}$	$-4.91x_{3}$	$-3.73x_{101}$
x_{12}	7.36363636363	$+7.41x_{118}$	$-2.27x_{2}$	$-0.23x_{108}$	$-0.45x_{11}$	$-4.64x_{3}$	$-5.91x_{101}$
x_{19}	5.9090909091	$+4.77x_{118}$	$-1.18x_{2}$	$+0.68x_{108}$	$+0.36x_{11}$	$-4.09x_{3}$	$-4.27x_{101}$
x_{41}	0.18181818182	$-0.05x_{118}$	$-0.64x_{2}$	$+0.14x_{108}$	$+0.27x_{11}$	$+0.18x_{3}$	$+0.55x_{101}$
x_{15}	0.363636363651	$-0.59x_{118}$	$-0.27x_{2}$	$+0.77x_{108}$	$+0.55x_{11}$	$-0.64x_{3}$	$+0.09x_{101}$
x_{21}	2.63636363636	$+2.09x_{118}$	$-0.73x_{2}$	$-0.27x_{108}$	$+0.45x_{11}$	$-1.36x_{3}$	$-1.09x_{101}$
x_{23}	7.27272727272	$+6.68x_{118}$	$-1.45x_{2}$	$-0.05x_{108}$	$-0.09x_{11}$	$-3.73x_{3}$	$-5.18x_{101}$
x_{24}	6.72727272726	$+6.82x_{118}$	$-1.55x_{2}$	$-0.45x_{108}$	$+0.09x_{11}$	$-4.27x_{3}$	$-4.82x_{101}$
x_{109}	$-1.03300701326e-11$	$+0.50x_{118}$	$+0.00x_{2}$	$+0.50x_{108}$	$-0.00x_{11}$	$+0.00x_{3}$	$+0.00x_{101}$
x_{47}	1.0909090909	$+0.23x_{118}$	$-0.82x_{2}$	$-0.68x_{108}$	$-0.36x_{11}$	$+0.09x_{3}$	$+1.27x_{101}$
x_{27}	6.18181818181	$+5.45x_{118}$	$-1.64x_{2}$	$-0.36x_{108}$	$+0.27x_{11}$	$-3.82x_{3}$	$-3.45x_{101}$
x_{28}	2.63636363636	$+2.09x_{118}$	$-0.73x_{2}$	$-0.27x_{108}$	$+0.45x_{11}$	$-1.36x_{3}$	$-1.09x_{101}$
x_{29}	1.72727272727	$+1.32x_{118}$	$-0.55x_{2}$	$+0.05x_{108}$	$+0.09x_{11}$	$-0.27x_{3}$	$-0.82x_{101}$
x_{30}	7.27272727272	$+6.68x_{118}$	$-1.45x_{2}$	$-0.05x_{108}$	$-0.09x_{11}$	$-3.73x_{3}$	$-5.18x_{101}$
x_{26}	5.27272727272	$+4.68x_{118}$	$-1.45x_{2}$	$-0.05x_{108}$	$-0.09x_{11}$	$-2.73x_{3}$	$-3.18x_{101}$
x_{32}	1.72727272727	$+1.32x_{118}$	$-0.55x_{2}$	$+0.05x_{108}$	$+0.09x_{11}$	$-0.27x_{3}$	$-0.82x_{101}$
x_{33}	2.54545454545	$+1.36x_{118}$	$-0.91x_{2}$	$-0.09x_{108}$	$+0.82x_{11}$	$-1.45x_{3}$	$-0.36x_{101}$
x_{34}	1.18181818182	$-0.05x_{118}$	$-0.64x_{2}$	$+0.14x_{108}$	$+0.27x_{11}$	$+0.18x_{3}$	$+0.55x_{101}$
x_{73}	0.545454545453	$+0.36x_{118}$	$+0.09x_{2}$	$-0.09x_{108}$	$-0.18x_{11}$	$+0.55x_{3}$	$+0.64x_{101}$
x_{6}	1.72727272724	$-0.68x_{118}$	$-1.55x_{2}$	$-1.95x_{108}$	$-0.91x_{11}$	$+0.73x_{3}$	$+3.18x_{101}$
x_{35}	1.81818181817	$+0.55x_{118}$	$-1.36x_{2}$	$-0.64x_{108}$	$-0.27x_{11}$	$-0.18x_{3}$	$+1.45x_{101}$
x_{38}	1.81818181816	$+0.05x_{118}$	$-1.36x_{2}$	$-1.14x_{108}$	$-0.27x_{11}$	$-0.18x_{3}$	$+2.45x_{101}$
x_{37}	0.999999999991	$-0.50x_{118}$	$-1.00x_{2}$	$-0.50x_{108}$	$-0.00x_{11}$	$+0.00x_{3}$	$+2.00x_{101}$
x_{40}	0.999999999991	$-0.50x_{118}$	$-1.00x_{2}$	$-0.50x_{108}$	$-0.00x_{11}$	$+0.00x_{3}$	$+2.00x_{101}$
x_{25}	0.636363636368	$-0.41x_{118}$	$-0.73x_{2}$	$+0.23x_{108}$	$+0.45x_{11}$	$-0.36x_{3}$	$+0.91x_{101}$
x_{42}	1.90909090907	$-0.23x_{118}$	$-1.18x_{2}$	$-1.32x_{108}$	$-0.64x_{11}$	$+0.91x_{3}$	$+2.73x_{101}$
x_{43}	1.81818181816	$+0.05x_{118}$	$-1.36x_{2}$	$-1.14x_{108}$	$-0.27x_{11}$	$-0.18x_{3}$	$+2.45x_{101}$
x_{44}	0.999999999991	$-0.50x_{118}$	$-1.00x_{2}$	$-0.50x_{108}$	$-0.00x_{11}$	$+0.00x_{3}$	$+2.00x_{101}$
x_{45}	0.999999999991	$-0.50x_{118}$	$-1.00x_{2}$	$-0.50x_{108}$	$-0.00x_{11}$	$+0.00x_{3}$	$+2.00x_{101}$
x_{46}	1.54545454544	$-0.14x_{118}$	$-0.91x_{2}$	$-0.59x_{108}$	$-0.18x_{11}$	$+0.55x_{3}$	$+1.64x_{101}$
x_{20}	0.818181818179	$+0.05x_{118}$	$-0.36x_{2}$	$-0.14x_{108}$	$-0.27x_{11}$	$-0.18x_{3}$	$+0.45x_{101}$
x_{48}	1.0909090909	$+0.23x_{118}$	$-0.82x_{2}$	$-0.68x_{108}$	$-0.36x_{11}$	$+0.09x_{3}$	$+1.27x_{101}$
x_{49}	1.63636363634	$+0.09x_{118}$	$-0.73x_{2}$	$-1.27x_{108}$	$-0.55x_{11}$	$+0.64x_{3}$	$+1.91x_{101}$
x_{50}	2.36363636361	$+0.41x_{118}$	$-1.27x_{2}$	$-1.23x_{108}$	$-0.45x_{11}$	$+0.36x_{3}$	$+2.09x_{101}$
x_{51}	1.63636363635	$+0.59x_{118}$	$-0.73x_{2}$	$-0.77x_{108}$	$-0.55x_{11}$	$+0.64x_{3}$	$+0.91x_{101}$
x_{52}	2.72727272724	$+0.32x_{118}$	$-1.55x_{2}$	$-1.95x_{108}$	$-0.91x_{11}$	$+0.73x_{3}$	$+3.18x_{101}$
x_{53}	1.63636363634	$+0.09x_{118}$	$-0.73x_{2}$	$-1.27x_{108}$	$-0.55x_{11}$	$+0.64x_{3}$	$+1.91x_{101}$
x_{54}	1.63636363634	$+0.09x_{118}$	$-0.73x_{2}$	$-1.27x_{108}$	$-0.55x_{11}$	$+0.64x_{3}$	$+1.91x_{101}$
x_{55}	0.18181818182	$-0.05x_{118}$	$-0.64x_{2}$	$+0.14x_{108}$	$+0.27x_{11}$	$+0.18x_{3}$	$+0.55x_{101}$
x_{56}	0.18181818182	$-0.05x_{118}$	$-0.64x_{2}$	$+0.14x_{108}$	$+0.27x_{11}$	$+0.18x_{3}$	$+0.55x_{101}$
x_{57}	0.18181818182	$-0.05x_{118}$	$-0.64x_{2}$	$+0.14x_{108}$	$+0.27x_{11}$	$+0.18x_{3}$	$+0.55x_{101}$
x_{58}	2.36363636361	$+0.41x_{118}$	$-1.27x_{2}$	$-1.23x_{108}$	$-0.45x_{11}$	$+0.36x_{3}$	$+2.09x_{101}$
x_{59}	1.54545454545	$+1.36x_{118}$	$-0.91x_{2}$	$-0.09x_{108}$	$-0.18x_{11}$	$-0.45x_{3}$	$-0.36x_{101}$
x_{13}	1.81818181822	$-0.95x_{118}$	$-0.36x_{2}$	$+1.86x_{108}$	$-0.27x_{11}$	$-2.18x_{3}$	$-0.55x_{101}$
x_{61}	1.72727272729	$+0.32x_{118}$	$-1.55x_{2}$	$+1.05x_{108}$	$+0.09x_{11}$	$-0.27x_{3}$	$+0.18x_{101}$
x_{39}	0.999999999999	$+1.00x_{118}$	$-1.00x_{2}$	$-0.00x_{108}$	$-0.00x_{11}$	$+0.00x_{3}$	$+0.00x_{101}$
x_{63}	1.27272727273	$+0.68x_{118}$	$-0.45x_{2}$	$-0.05x_{108}$	$-0.09x_{11}$	$+0.27x_{3}$	$+0.82x_{101}$
x_{64}	1.54545454548	$-0.14x_{118}$	$-0.91x_{2}$	$+1.41x_{108}$	$-0.18x_{11}$	$-1.45x_{3}$	$-0.36x_{101}$
x_{65}	2.27272727275	$+0.18x_{118}$	$-1.45x_{2}$	$+1.45x_{108}$	$-0.09x_{11}$	$-0.73x_{3}$	$-0.18x_{101}$

After cutting plane is added

x_9	19.7272727275	$+6.82x_{118}$	$+2.45x_2$	$+11.55x_{108}$	$+7.09x_{11}$	$+7.73x_3$	$-21.82x_{101}$
x_{112}	0.272727272692	$+1.18x_{118}$	$-0.45x_2$	$+0.45x_{108}$	$-0.09x_{11}$	$-0.73x_3$	$-0.18x_{101}$
x_5	1.63636363638	$+0.09x_{118}$	$+0.27x_2$	$+0.73x_{108}$	$+0.45x_{11}$	$+0.64x_3$	$-1.09x_{101}$
x_1	1.81818181817	$+0.55x_{118}$	$-0.36x_2$	$-0.64x_{108}$	$-0.27x_{11}$	$-0.18x_3$	$+0.45x_{101}$
x_4	2.45454545458	$+0.64x_{118}$	$-0.09x_2$	$+2.09x_{108}$	$+1.18x_{11}$	$-0.55x_3$	$-3.64x_{101}$
x_{10}	13.4545454545	$+2.64x_{118}$	$-10.09x_2$	$-0.91x_{108}$	$+0.18x_{11}$	$+0.45x_3$	$-1.64x_{101}$
x_{69}	0.272727272744	$-0.32x_{118}$	$-0.45x_2$	$+0.95x_{108}$	$-0.09x_{11}$	$-0.73x_3$	$-0.18x_{101}$
x_{14}	7.27272727272	$+4.68x_{118}$	$-2.45x_2$	$-0.05x_{108}$	$-0.09x_{11}$	$-3.73x_3$	$-3.18x_{101}$
x_{22}	2.99999999999	$+2.50x_{118}$	$-1.00x_2$	$-0.50x_{108}$	$-0.00x_{11}$	$-1.00x_3$	$-1.00x_{101}$
x_7	17.2727272733	$+1.68x_{118}$	$+13.55x_2$	$+30.95x_{108}$	$+16.91x_{11}$	$+10.27x_3$	$-46.18x_{101}$
x_{17}	9.09090909091	$+5.23x_{118}$	$-2.82x_2$	$+0.32x_{108}$	$-0.36x_{11}$	$-4.91x_3$	$-3.73x_{101}$
x_{12}	7.36363636363	$+7.41x_{118}$	$-2.27x_2$	$-0.23x_{108}$	$-0.45x_{11}$	$-4.64x_3$	$-5.91x_{101}$
x_{19}	5.9090909091	$+4.77x_{118}$	$-1.18x_2$	$+0.68x_{108}$	$+0.36x_{11}$	$-4.09x_3$	$-4.27x_{101}$
x_{41}	0.18181818182	$-0.05x_{118}$	$-0.64x_2$	$+0.14x_{108}$	$+0.27x_{11}$	$+0.18x_3$	$+0.55x_{101}$
x_{15}	0.363636363651	$-0.59x_{118}$	$-0.27x_2$	$+0.77x_{108}$	$+0.55x_{11}$	$-0.64x_3$	$+0.09x_{101}$
x_{21}	2.63636363636	$+2.09x_{118}$	$-0.73x_2$	$-0.27x_{108}$	$+0.45x_{11}$	$-1.36x_3$	$-1.09x_{101}$
x_{23}	7.27272727272	$+6.68x_{118}$	$-1.45x_2$	$-0.05x_{108}$	$-0.09x_{11}$	$-3.73x_3$	$-5.18x_{101}$
x_{24}	6.72727272726	$+6.82x_{118}$	$-1.55x_2$	$-0.45x_{108}$	$+0.09x_{11}$	$-4.27x_3$	$-4.82x_{101}$
x_{109}	$-1.03300701326e-11$	$+0.50x_{118}$	$+0.00x_2$	$+0.50x_{108}$	$-0.00x_{11}$	$+0.00x_3$	$+0.00x_{101}$
x_{47}	1.0909090909	$+0.23x_{118}$	$-0.82x_2$	$-0.68x_{108}$	$-0.36x_{11}$	$+0.09x_3$	$+1.27x_{101}$
x_{27}	6.18181818181	$+5.45x_{118}$	$-1.64x_2$	$-0.36x_{108}$	$+0.27x_{11}$	$-3.82x_3$	$-3.45x_{101}$
x_{28}	2.63636363636	$+2.09x_{118}$	$-0.73x_2$	$-0.27x_{108}$	$+0.45x_{11}$	$-1.36x_3$	$-1.09x_{101}$
x_{29}	1.72727272727	$+1.32x_{118}$	$-0.55x_2$	$+0.05x_{108}$	$+0.09x_{11}$	$-0.27x_3$	$-0.82x_{101}$
x_{30}	7.27272727272	$+6.68x_{118}$	$-1.45x_2$	$-0.05x_{108}$	$-0.09x_{11}$	$-3.73x_3$	$-5.18x_{101}$
x_{26}	5.27272727272	$+4.68x_{118}$	$-1.45x_2$	$-0.05x_{108}$	$-0.09x_{11}$	$-2.73x_3$	$-3.18x_{101}$
x_{32}	1.72727272727	$+1.32x_{118}$	$-0.55x_2$	$+0.05x_{108}$	$+0.09x_{11}$	$-0.27x_3$	$-0.82x_{101}$
x_{33}	2.54545454545	$+1.36x_{118}$	$-0.91x_2$	$-0.09x_{108}$	$+0.82x_{11}$	$-1.45x_3$	$-0.36x_{101}$
x_{34}	1.18181818182	$-0.05x_{118}$	$-0.64x_2$	$+0.14x_{108}$	$+0.27x_{11}$	$+0.18x_3$	$+0.55x_{101}$
x_{73}	0.545454545453	$+0.36x_{118}$	$+0.09x_2$	$-0.09x_{108}$	$-0.18x_{11}$	$+0.55x_3$	$+0.64x_{101}$
x_6	1.72727272724	$-0.68x_{118}$	$-1.55x_2$	$-1.95x_{108}$	$-0.91x_{11}$	$+0.73x_3$	$+3.18x_{101}$
x_{35}	1.81818181817	$+0.55x_{118}$	$-1.36x_2$	$-0.64x_{108}$	$-0.27x_{11}$	$-0.18x_3$	$+1.45x_{101}$
x_{38}	1.81818181816	$+0.05x_{118}$	$-1.36x_2$	$-1.14x_{108}$	$-0.27x_{11}$	$-0.18x_3$	$+2.45x_{101}$
x_{37}	0.999999999991	$-0.50x_{118}$	$-1.00x_2$	$-0.50x_{108}$	$-0.00x_{11}$	$+0.00x_3$	$+2.00x_{101}$
x_{40}	0.999999999991	$-0.50x_{118}$	$-1.00x_2$	$-0.50x_{108}$	$-0.00x_{11}$	$+0.00x_3$	$+2.00x_{101}$
x_{25}	0.636363636368	$-0.41x_{118}$	$-0.73x_2$	$+0.23x_{108}$	$+0.45x_{11}$	$-0.36x_3$	$+0.91x_{101}$
x_{42}	1.90909090907	$-0.23x_{118}$	$-1.18x_2$	$-1.32x_{108}$	$-0.64x_{11}$	$+0.91x_3$	$+2.73x_{101}$
x_{43}	1.81818181816	$+0.05x_{118}$	$-1.36x_2$	$-1.14x_{108}$	$-0.27x_{11}$	$-0.18x_3$	$+2.45x_{101}$
x_{44}	0.999999999991	$-0.50x_{118}$	$-1.00x_2$	$-0.50x_{108}$	$-0.00x_{11}$	$+0.00x_3$	$+2.00x_{101}$
x_{45}	0.999999999991	$-0.50x_{118}$	$-1.00x_2$	$-0.50x_{108}$	$-0.00x_{11}$	$+0.00x_3$	$+2.00x_{101}$
x_{46}	1.54545454544	$-0.14x_{118}$	$-0.91x_2$	$-0.59x_{108}$	$-0.18x_{11}$	$+0.55x_3$	$+1.64x_{101}$
x_{20}	0.818181818179	$+0.05x_{118}$	$-0.36x_2$	$-0.14x_{108}$	$-0.27x_{11}$	$-0.18x_3$	$+0.45x_{101}$
x_{48}	1.0909090909	$+0.23x_{118}$	$-0.82x_2$	$-0.68x_{108}$	$-0.36x_{11}$	$+0.09x_3$	$+1.27x_{101}$
x_{49}	1.63636363634	$+0.09x_{118}$	$-0.73x_2$	$-1.27x_{108}$	$-0.55x_{11}$	$+0.64x_3$	$+1.91x_{101}$
x_{50}	2.36363636361	$+0.41x_{118}$	$-1.27x_2$	$-1.23x_{108}$	$-0.45x_{11}$	$+0.36x_3$	$+2.09x_{101}$
x_{51}	1.63636363635	$+0.59x_{118}$	$-0.73x_2$	$-0.77x_{108}$	$-0.55x_{11}$	$+0.64x_3$	$+0.91x_{101}$
x_{52}	2.72727272724	$+0.32x_{118}$	$-1.55x_2$	$-1.95x_{108}$	$-0.91x_{11}$	$+0.73x_3$	$+3.18x_{101}$
x_{53}	1.63636363634	$+0.09x_{118}$	$-0.73x_2$	$-1.27x_{108}$	$-0.55x_{11}$	$+0.64x_3$	$+1.91x_{101}$
x_{54}	1.63636363634	$+0.09x_{118}$	$-0.73x_2$	$-1.27x_{108}$	$-0.55x_{11}$	$+0.64x_3$	$+1.91x_{101}$
x_{55}	0.18181818182	$-0.05x_{118}$	$-0.64x_2$	$+0.14x_{108}$	$+0.27x_{11}$	$+0.18x_3$	$+0.55x_{101}$
x_{56}	0.18181818182	$-0.05x_{118}$	$-0.64x_2$	$+0.14x_{108}$	$+0.27x_{11}$	$+0.18x_3$	$+0.55x_{101}$
x_{57}	0.18181818182	$-0.05x_{118}$	$-0.64x_2$	$+0.14x_{108}$	$+0.27x_{11}$	$+0.18x_3$	$+0.55x_{101}$
x_{58}	2.36363636361	$+0.41x_{118}$	$-1.27x_2$	$-1.23x_{108}$	$-0.45x_{11}$	$+0.36x_3$	$+2.09x_{101}$
x_{59}	1.54545454545	$+1.36x_{118}$	$-0.91x_2$	$-0.09x_{108}$	$-0.18x_{11}$	$-0.45x_3$	$-0.36x_{101}$
x_{13}	1.81818181822	$-0.95x_{118}$	$-0.36x_2$	$+1.86x_{108}$	$-0.27x_{11}$	$-2.18x_3$	$-0.55x_{101}$
x_{61}	1.72727272729	$+0.32x_{118}$	$-1.55x_2$	$+1.05x_{108}$	$+0.09x_{11}$	$-0.27x_3$	$+0.18x_{101}$
x_{39}	0.999999999999	$+1.00x_{118}$	$-1.00x_2$	$-0.00x_{108}$	$-0.00x_{11}$	$+0.00x_3$	$+0.00x_{101}$
x_{63}	1.27272727273	$+0.68x_{118}$	$-0.45x_2$	$-0.05x_{108}$	$-0.09x_{11}$	$+0.27x_3$	$+0.82x_{101}$
x_{64}	1.54545454548	$-0.14x_{118}$	$-0.91x_2$	$+1.41x_{108}$	$-0.18x_{11}$	$-1.45x_3$	$-0.36x_{101}$
x_{65}	2.27272727275	$+0.18x_{118}$	$-1.45x_2$	$+1.45x_{108}$	$-0.09x_{11}$	$-0.73x_3$	$-0.18x_{101}$

Forming the dual dictionary:

The Final Dual Dictionary is:

Final primal dictionary obtained:

x_{9}	9.86956521482	$+0.70x_{8}$	$+8.15x_{2}$	$-13.13x_{203}$	$+6.07x_{206}$	$+16.11x_{3}$	$+6.28x_{31}$
x_{112}	0.304347827117	$+0.04x_{8}$	$-2.77x_{2}$	$+5.30x_{203}$	$-1.40x_{206}$	$-4.84x_{3}$	$-0.08x_{31}$
x_{5}	1.30434782595	$+0.04x_{8}$	$+0.48x_{2}$	$-0.70x_{203}$	$+0.35x_{206}$	$+0.91x_{3}$	$+0.17x_{31}$
x_{1}	1.69565217385	$-0.04x_{8}$	$+0.02x_{2}$	$-0.30x_{203}$	$+0.15x_{206}$	$+0.59x_{3}$	$+0.33x_{31}$
x_{4}	0.913043477851	$+0.13x_{8}$	$+0.68x_{2}$	$-2.09x_{203}$	$+0.79x_{206}$	$+0.49x_{3}$	$+0.77x_{31}$
x_{10}	11.3913043465	$-0.09x_{8}$	$-6.21x_{2}$	$-6.61x_{203}$	$+2.55x_{206}$	$+7.42x_{3}$	$+2.40x_{31}$
x_{69}	0.608695653276	$+0.09x_{8}$	$-3.29x_{2}$	$+5.61x_{203}$	$-2.05x_{206}$	$-5.92x_{3}$	$-0.90x_{31}$
x_{14}	4.0	$+0.00x_{8}$	$-1.25x_{2}$	$+0.00x_{203}$	$+0.25x_{206}$	$-1.75x_{3}$	$+2.75x_{31}$
x_{22}	1.69565217366	$-0.04x_{8}$	$+0.27x_{2}$	$-1.30x_{203}$	$+0.90x_{206}$	$+1.34x_{3}$	$+1.58x_{31}$
x_{118}	$3.95920560343e-10$	$+0.00x_{8}$	$-0.75x_{2}$	$+2.00x_{203}$	$-0.25x_{206}$	$-1.25x_{3}$	$+0.25x_{31}$
x_{17}	5.30434782674	$+0.04x_{8}$	$-3.02x_{2}$	$+3.30x_{203}$	$-1.15x_{206}$	$-5.59x_{3}$	$+2.67x_{31}$
x_{201}	$1.92336232013e-10$	$+0.00x_{8}$	$-0.00x_{2}$	$+1.00x_{203}$	$+0.00x_{206}$	$+0.00x_{3}$	$+0.00x_{31}$
x_{19}	2.30434782595	$+0.04x_{8}$	$+0.23x_{2}$	$-0.70x_{203}$	$+0.60x_{206}$	$-1.84x_{3}$	$+2.92x_{31}$
x_{41}	1.0000000002	$+0.00x_{8}$	$-1.25x_{2}$	$+1.00x_{203}$	$+0.25x_{206}$	$-0.75x_{3}$	$-0.25x_{31}$
x_{15}	1.30434782635	$+0.04x_{8}$	$-1.27x_{2}$	$+1.30x_{203}$	$+0.10x_{206}$	$-2.34x_{3}$	$-0.58x_{31}$
x_{21}	1.69565217327	$-0.04x_{8}$	$+1.27x_{2}$	$-3.30x_{203}$	$+1.90x_{206}$	$+2.34x_{3}$	$+1.58x_{31}$
x_{23}	1.99999999961	$-0.00x_{8}$	$+1.25x_{2}$	$-2.00x_{203}$	$+0.75x_{206}$	$+0.75x_{3}$	$+4.25x_{31}$
x_{24}	1.69565217307	$-0.04x_{8}$	$+2.27x_{2}$	$-4.30x_{203}$	$+1.90x_{206}$	$+2.34x_{3}$	$+4.58x_{31}$
x_{109}	0.304347826928	$+0.04x_{8}$	$-2.02x_{2}$	$+4.30x_{203}$	$-1.15x_{206}$	$-3.59x_{3}$	$-0.33x_{31}$
x_{47}	1.69565217425	$-0.04x_{8}$	$-1.48x_{2}$	$+1.70x_{203}$	$-0.35x_{206}$	$-0.91x_{3}$	$-0.17x_{31}$
x_{27}	2.69565217327	$-0.04x_{8}$	$+1.27x_{2}$	$-3.30x_{203}$	$+1.90x_{206}$	$+1.34x_{3}$	$+3.58x_{31}$
x_{28}	1.69565217327	$-0.04x_{8}$	$+1.27x_{2}$	$-3.30x_{203}$	$+1.90x_{206}$	$+2.34x_{3}$	$+1.58x_{31}$
x_{29}	1.0	$+0.00x_{8}$	$-0.25x_{2}$	$+0.00x_{203}$	$+0.25x_{206}$	$+0.25x_{3}$	$+0.75x_{31}$
x_{30}	1.99999999961	$-0.00x_{8}$	$+1.25x_{2}$	$-2.00x_{203}$	$+0.75x_{206}$	$+0.75x_{3}$	$+4.25x_{31}$
x_{26}	2.0	$+0.00x_{8}$	$-0.25x_{2}$	$+0.00x_{203}$	$+0.25x_{206}$	$-0.75x_{3}$	$+2.75x_{31}$
x_{32}	1.0	$+0.00x_{8}$	$-0.25x_{2}$	$+0.00x_{203}$	$+0.25x_{206}$	$+0.25x_{3}$	$+0.75x_{31}$
x_{33}	2.69565217327	$-0.04x_{8}$	$+0.77x_{2}$	$-3.30x_{203}$	$+2.40x_{206}$	$+1.84x_{3}$	$+1.08x_{31}$
x_{34}	2.0000000002	$+0.00x_{8}$	$-1.25x_{2}$	$+1.00x_{203}$	$+0.25x_{206}$	$-0.75x_{3}$	$-0.25x_{31}$
x_{73}	1.00000000059	$+0.00x_{8}$	$-1.25x_{2}$	$+3.00x_{203}$	$-0.75x_{206}$	$-1.75x_{3}$	$-0.25x_{31}$
x_{101}	1.00000000059	$+0.00x_{8}$	$-1.50x_{2}$	$+3.00x_{203}$	$-0.50x_{206}$	$-2.50x_{3}$	$-0.50x_{31}$
x_{35}	2.69565217445	$-0.04x_{8}$	$-2.48x_{2}$	$+2.70x_{203}$	$-0.35x_{206}$	$-1.91x_{3}$	$-0.17x_{31}$
x_{38}	3.3913043481	$-0.09x_{8}$	$-1.96x_{2}$	$+1.39x_{203}$	$+0.30x_{206}$	$-0.83x_{3}$	$-0.35x_{31}$
x_{37}	2.69565217425	$-0.04x_{8}$	$-1.98x_{2}$	$+1.70x_{203}$	$+0.15x_{206}$	$-1.41x_{3}$	$-0.67x_{31}$
x_{40}	2.69565217425	$-0.04x_{8}$	$-1.98x_{2}$	$+1.70x_{203}$	$+0.15x_{206}$	$-1.41x_{3}$	$-0.67x_{31}$
x_{25}	2.0000000002	$+0.00x_{8}$	$-1.50x_{2}$	$+1.00x_{203}$	$+0.50x_{206}$	$-1.50x_{3}$	$-0.50x_{31}$
x_{42}	3.3913043483	$-0.09x_{8}$	$-2.21x_{2}$	$+2.39x_{203}$	$-0.45x_{206}$	$-0.58x_{3}$	$-0.60x_{31}$
x_{43}	3.3913043481	$-0.09x_{8}$	$-1.96x_{2}$	$+1.39x_{203}$	$+0.30x_{206}$	$-0.83x_{3}$	$-0.35x_{31}$
x_{44}	2.69565217425	$-0.04x_{8}$	$-1.98x_{2}$	$+1.70x_{203}$	$+0.15x_{206}$	$-1.41x_{3}$	$-0.67x_{31}$
x_{45}	2.69565217425	$-0.04x_{8}$	$-1.98x_{2}$	$+1.70x_{203}$	$+0.15x_{206}$	$-1.41x_{3}$	$-0.67x_{31}$
x_{46}	2.69565217425	$-0.04x_{8}$	$-1.73x_{2}$	$+1.70x_{203}$	$-0.10x_{206}$	$-0.66x_{3}$	$-0.42x_{31}$
x_{20}	1.00000000039	$+0.00x_{8}$	$-1.25x_{2}$	$+2.00x_{203}$	$-0.75x_{206}$	$-1.75x_{3}$	$-0.25x_{31}$
x_{48}	1.69565217425	$-0.04x_{8}$	$-1.48x_{2}$	$+1.70x_{203}$	$-0.35x_{206}$	$-0.91x_{3}$	$-0.17x_{31}$
x_{49}	2.3913043479	$-0.09x_{8}$	$-0.71x_{2}$	$+0.39x_{203}$	$+0.05x_{206}$	$+0.92x_{3}$	$-0.10x_{31}$
x_{50}	3.3913043481	$-0.09x_{8}$	$-1.71x_{2}$	$+1.39x_{203}$	$+0.05x_{206}$	$-0.08x_{3}$	$-0.10x_{31}$
x_{51}	1.69565217425	$-0.04x_{8}$	$-1.23x_{2}$	$+1.70x_{203}$	$-0.60x_{206}$	$-0.16x_{3}$	$+0.08x_{31}$
x_{52}	4.08695652215	$-0.13x_{8}$	$-2.18x_{2}$	$+2.09x_{203}$	$-0.29x_{206}$	$+0.01x_{3}$	$-0.27x_{31}$
x_{53}	2.3913043479	$-0.09x_{8}$	$-0.71x_{2}$	$+0.39x_{203}$	$+0.05x_{206}$	$+0.92x_{3}$	$-0.10x_{31}$
x_{54}	2.3913043479	$-0.09x_{8}$	$-0.71x_{2}$	$+0.39x_{203}$	$+0.05x_{206}$	$+0.92x_{3}$	$-0.10x_{31}$
x_{55}	1.0000000002	$+0.00x_{8}$	$-1.25x_{2}$	$+1.00x_{203}$	$+0.25x_{206}$	$-0.75x_{3}$	$-0.25x_{31}$
x_{56}	1.0000000002	$+0.00x_{8}$	$-1.25x_{2}$	$+1.00x_{203}$	$+0.25x_{206}$	$-0.75x_{3}$	$-0.25x_{31}$
x_{57}	1.0000000002	$+0.00x_{8}$	$-1.25x_{2}$	$+1.00x_{203}$	$+0.25x_{206}$	$-0.75x_{3}$	$-0.25x_{31}$
x_{58}	3.3913043481	$-0.09x_{8}$	$-1.71x_{2}$	$+1.39x_{203}$	$+0.05x_{206}$	$-0.08x_{3}$	$-0.10x_{31}$
x_{59}	1.00000000039	$+0.00x_{8}$	$-1.50x_{2}$	$+2.00x_{203}$	$-0.50x_{206}$	$-1.50x_{3}$	$+0.50x_{31}$
x_{13}	2.21739130635	$+0.17x_{8}$	$-5.59x_{2}$	$+10.22x_{203}$	$-4.11x_{206}$	$-11.85x_{3}$	$-1.80x_{31}$
x_{61}	2.60869565367	$+0.09x_{8}$	$-5.29x_{2}$	$+7.61x_{203}$	$-2.05x_{206}$	$-6.92x_{3}$	$-0.90x_{31}$
x_{39}	1.0000000004	$+0.00x_{8}$	$-1.75x_{2}$	$+2.00x_{203}$	$-0.25x_{206}$	$-1.25x_{3}$	$+0.25x_{31}$
x_{63}	2.00000000079	$+0.00x_{8}$	$-2.25x_{2}$	$+4.00x_{203}$	$-0.75x_{206}$	$-2.75x_{3}$	$-0.25x_{31}$
x_{64}	1.91304348001	$+0.13x_{8}$	$-5.32x_{2}$	$+8.91x_{203}$	$-3.21x_{206}$	$-9.51x_{3}$	$-1.23x_{31}$
x_{65}	2.91304348021	$+0.13x_{8}$	$-6.32x_{2}$	$+9.91x_{203}$	$-3.21x_{206}$	$-9.51x_{3}$	$-1.23x_{31}$

After cutting plane is added

x_{9}	9.86956521482	$+0.70x_{8}$	$+8.15x_{2}$	$-13.13x_{203}$	$+6.07x_{206}$	$+16.11x_{3}$	$+6.28x_{31}$
x_{112}	0.304347827117	$+0.04x_{8}$	$-2.77x_{2}$	$+5.30x_{203}$	$-1.40x_{206}$	$-4.84x_{3}$	$-0.08x_{31}$
x_{5}	1.30434782595	$+0.04x_{8}$	$+0.48x_{2}$	$-0.70x_{203}$	$+0.35x_{206}$	$+0.91x_{3}$	$+0.17x_{31}$
x_{1}	1.69565217385	$-0.04x_{8}$	$+0.02x_{2}$	$-0.30x_{203}$	$+0.15x_{206}$	$+0.59x_{3}$	$+0.33x_{31}$
x_{4}	0.913043477851	$+0.13x_{8}$	$+0.68x_{2}$	$-2.09x_{203}$	$+0.79x_{206}$	$+0.49x_{3}$	$+0.77x_{31}$
x_{10}	11.3913043465	$-0.09x_{8}$	$-6.21x_{2}$	$-6.61x_{203}$	$+2.55x_{206}$	$+7.42x_{3}$	$+2.40x_{31}$
x_{69}	0.608695653276	$+0.09x_{8}$	$-3.29x_{2}$	$+5.61x_{203}$	$-2.05x_{206}$	$-5.92x_{3}$	$-0.90x_{31}$
x_{14}	4.0	$+0.00x_{8}$	$-1.25x_{2}$	$+0.00x_{203}$	$+0.25x_{206}$	$-1.75x_{3}$	$+2.75x_{31}$
x_{22}	1.69565217366	$-0.04x_{8}$	$+0.27x_{2}$	$-1.30x_{203}$	$+0.90x_{206}$	$+1.34x_{3}$	$+1.58x_{31}$
x_{118}	$3.95920560343e-10$	$+0.00x_{8}$	$-0.75x_{2}$	$+2.00x_{203}$	$-0.25x_{206}$	$-1.25x_{3}$	$+0.25x_{31}$
x_{17}	5.30434782674	$+0.04x_{8}$	$-3.02x_{2}$	$+3.30x_{203}$	$-1.15x_{206}$	$-5.59x_{3}$	$+2.67x_{31}$
x_{201}	$1.92336232013e-10$	$+0.00x_{8}$	$-0.00x_{2}$	$+1.00x_{203}$	$+0.00x_{206}$	$+0.00x_{3}$	$+0.00x_{31}$
x_{19}	2.30434782595	$+0.04x_{8}$	$+0.23x_{2}$	$-0.70x_{203}$	$+0.60x_{206}$	$-1.84x_{3}$	$+2.92x_{31}$
x_{41}	1.0000000002	$+0.00x_{8}$	$-1.25x_{2}$	$+1.00x_{203}$	$+0.25x_{206}$	$-0.75x_{3}$	$-0.25x_{31}$
x_{15}	1.30434782635	$+0.04x_{8}$	$-1.27x_{2}$	$+1.30x_{203}$	$+0.10x_{206}$	$-2.34x_{3}$	$-0.58x_{31}$
x_{21}	1.69565217327	$-0.04x_{8}$	$+1.27x_{2}$	$-3.30x_{203}$	$+1.90x_{206}$	$+2.34x_{3}$	$+1.58x_{31}$
x_{23}	1.99999999961	$-0.00x_{8}$	$+1.25x_{2}$	$-2.00x_{203}$	$+0.75x_{206}$	$+0.75x_{3}$	$+4.25x_{31}$
x_{24}	1.69565217307	$-0.04x_{8}$	$+2.27x_{2}$	$-4.30x_{203}$	$+1.90x_{206}$	$+2.34x_{3}$	$+4.58x_{31}$
x_{109}	0.304347826928	$+0.04x_{8}$	$-2.02x_{2}$	$+4.30x_{203}$	$-1.15x_{206}$	$-3.59x_{3}$	$-0.33x_{31}$
x_{47}	1.69565217425	$-0.04x_{8}$	$-1.48x_{2}$	$+1.70x_{203}$	$-0.35x_{206}$	$-0.91x_{3}$	$-0.17x_{31}$
x_{27}	2.69565217327	$-0.04x_{8}$	$+1.27x_{2}$	$-3.30x_{203}$	$+1.90x_{206}$	$+1.34x_{3}$	$+3.58x_{31}$
x_{28}	1.69565217327	$-0.04x_{8}$	$+1.27x_{2}$	$-3.30x_{203}$	$+1.90x_{206}$	$+2.34x_{3}$	$+1.58x_{31}$
x_{29}	1.0	$+0.00x_{8}$	$-0.25x_{2}$	$+0.00x_{203}$	$+0.25x_{206}$	$+0.25x_{3}$	$+0.75x_{31}$
x_{30}	1.99999999961	$-0.00x_{8}$	$+1.25x_{2}$	$-2.00x_{203}$	$+0.75x_{206}$	$+0.75x_{3}$	$+4.25x_{31}$
x_{26}	2.0	$+0.00x_{8}$	$-0.25x_{2}$	$+0.00x_{203}$	$+0.25x_{206}$	$-0.75x_{3}$	$+2.75x_{31}$
x_{32}	1.0	$+0.00x_{8}$	$-0.25x_{2}$	$+0.00x_{203}$	$+0.25x_{206}$	$+0.25x_{3}$	$+0.75x_{31}$
x_{33}	2.69565217327	$-0.04x_{8}$	$+0.77x_{2}$	$-3.30x_{203}$	$+2.40x_{206}$	$+1.84x_{3}$	$+1.08x_{31}$
x_{34}	2.0000000002	$+0.00x_{8}$	$-1.25x_{2}$	$+1.00x_{203}$	$+0.25x_{206}$	$-0.75x_{3}$	$-0.25x_{31}$
x_{73}	1.00000000059	$+0.00x_{8}$	$-1.25x_{2}$	$+3.00x_{203}$	$-0.75x_{206}$	$-1.75x_{3}$	$-0.25x_{31}$
x_{101}	1.00000000059	$+0.00x_{8}$	$-1.50x_{2}$	$+3.00x_{203}$	$-0.50x_{206}$	$-2.50x_{3}$	$-0.50x_{31}$
x_{35}	2.69565217445	$-0.04x_{8}$	$-2.48x_{2}$	$+2.70x_{203}$	$-0.35x_{206}$	$-1.91x_{3}$	$-0.17x_{31}$
x_{38}	3.3913043481	$-0.09x_{8}$	$-1.96x_{2}$	$+1.39x_{203}$	$+0.30x_{206}$	$-0.83x_{3}$	$-0.35x_{31}$
x_{37}	2.69565217425	$-0.04x_{8}$	$-1.98x_{2}$	$+1.70x_{203}$	$+0.15x_{206}$	$-1.41x_{3}$	$-0.67x_{31}$
x_{40}	2.69565217425	$-0.04x_{8}$	$-1.98x_{2}$	$+1.70x_{203}$	$+0.15x_{206}$	$-1.41x_{3}$	$-0.67x_{31}$
x_{25}	2.0000000002	$+0.00x_{8}$	$-1.50x_{2}$	$+1.00x_{203}$	$+0.50x_{206}$	$-1.50x_{3}$	$-0.50x_{31}$
x_{42}	3.3913043483	$-0.09x_{8}$	$-2.21x_{2}$	$+2.39x_{203}$	$-0.45x_{206}$	$-0.58x_{3}$	$-0.60x_{31}$
x_{43}	3.3913043481	$-0.09x_{8}$	$-1.96x_{2}$	$+1.39x_{203}$	$+0.30x_{206}$	$-0.83x_{3}$	$-0.35x_{31}$
x_{44}	2.69565217425	$-0.04x_{8}$	$-1.98x_{2}$	$+1.70x_{203}$	$+0.15x_{206}$	$-1.41x_{3}$	$-0.67x_{31}$
x_{45}	2.69565217425	$-0.04x_{8}$	$-1.98x_{2}$	$+1.70x_{203}$	$+0.15x_{206}$	$-1.41x_{3}$	$-0.67x_{31}$
x_{46}	2.69565217425	$-0.04x_{8}$	$-1.73x_{2}$	$+1.70x_{203}$	$-0.10x_{206}$	$-0.66x_{3}$	$-0.42x_{31}$
x_{20}	1.00000000039	$+0.00x_{8}$	$-1.25x_{2}$	$+2.00x_{203}$	$-0.75x_{206}$	$-1.75x_{3}$	$-0.25x_{31}$
x_{48}	1.69565217425	$-0.04x_{8}$	$-1.48x_{2}$	$+1.70x_{203}$	$-0.35x_{206}$	$-0.91x_{3}$	$-0.17x_{31}$
x_{49}	2.3913043479	$-0.09x_{8}$	$-0.71x_{2}$	$+0.39x_{203}$	$+0.05x_{206}$	$+0.92x_{3}$	$-0.10x_{31}$
x_{50}	3.3913043481	$-0.09x_{8}$	$-1.71x_{2}$	$+1.39x_{203}$	$+0.05x_{206}$	$-0.08x_{3}$	$-0.10x_{31}$
x_{51}	1.69565217425	$-0.04x_{8}$	$-1.23x_{2}$	$+1.70x_{203}$	$-0.60x_{206}$	$-0.16x_{3}$	$+0.08x_{31}$
x_{52}	4.08695652215	$-0.13x_{8}$	$-2.18x_{2}$	$+2.09x_{203}$	$-0.29x_{206}$	$+0.01x_{3}$	$-0.27x_{31}$
x_{53}	2.3913043479	$-0.09x_{8}$	$-0.71x_{2}$	$+0.39x_{203}$	$+0.05x_{206}$	$+0.92x_{3}$	$-0.10x_{31}$
x_{54}	2.3913043479	$-0.09x_{8}$	$-0.71x_{2}$	$+0.39x_{203}$	$+0.05x_{206}$	$+0.92x_{3}$	$-0.10x_{31}$
x_{55}	1.0000000002	$+0.00x_{8}$	$-1.25x_{2}$	$+1.00x_{203}$	$+0.25x_{206}$	$-0.75x_{3}$	$-0.25x_{31}$
x_{56}	1.0000000002	$+0.00x_{8}$	$-1.25x_{2}$	$+1.00x_{203}$	$+0.25x_{206}$	$-0.75x_{3}$	$-0.25x_{31}$
x_{57}	1.0000000002	$+0.00x_{8}$	$-1.25x_{2}$	$+1.00x_{203}$	$+0.25x_{206}$	$-0.75x_{3}$	$-0.25x_{31}$
x_{58}	3.3913043481	$-0.09x_{8}$	$-1.71x_{2}$	$+1.39x_{203}$	$+0.05x_{206}$	$-0.08x_{3}$	$-0.10x_{31}$
x_{59}	1.00000000039	$+0.00x_{8}$	$-1.50x_{2}$	$+2.00x_{203}$	$-0.50x_{206}$	$-1.50x_{3}$	$+0.50x_{31}$
x_{13}	2.21739130635	$+0.17x_{8}$	$-5.59x_{2}$	$+10.22x_{203}$	$-4.11x_{206}$	$-11.85x_{3}$	$-1.80x_{31}$
x_{61}	2.60869565367	$+0.09x_{8}$	$-5.29x_{2}$	$+7.61x_{203}$	$-2.05x_{206}$	$-6.92x_{3}$	$-0.90x_{31}$
x_{39}	1.0000000004	$+0.00x_{8}$	$-1.75x_{2}$	$+2.00x_{203}$	$-0.25x_{206}$	$-1.25x_{3}$	$+0.25x_{31}$
x_{63}	2.00000000079	$+0.00x_{8}$	$-2.25x_{2}$	$+4.00x_{203}$	$-0.75x_{206}$	$-2.75x_{3}$	$-0.25x_{31}$
x_{64}	1.91304348001	$+0.13x_{8}$	$-5.32x_{2}$	$+8.91x_{203}$	$-3.21x_{206}$	$-9.51x_{3}$	$-1.23x_{31}$
x_{65}	2.91304348021	$+0.13x_{8}$	$-6.32x_{2}$	$+9.91x_{203}$	$-3.21x_{206}$	$-9.51x_{3}$	$-1.23x_{31}$

Forming the dual dictionary:

The Final Dual Dictionary is:

Final primal dictionary obtained:

x_{9}	34.0612252523	$-2.41x_{69}$	$-10.22x_{2}$	$-6.94x_{6}$	$+0.98x_{428}$	$+9.78x_{3}$	$+0.33x_{342}$
x_{112}	0.265306213511	$+0.90x_{69}$	$-0.31x_{2}$	$+0.27x_{6}$	$+0.24x_{428}$	$-0.31x_{3}$	$+1.08x_{342}$
x_{5}	2.571428672	$-0.14x_{69}$	$-0.43x_{2}$	$-0.43x_{6}$	$+0.14x_{428}$	$+0.57x_{3}$	$-0.29x_{342}$
x_{1}	1.30612241515	$-0.04x_{69}$	$-0.12x_{2}$	$+0.31x_{6}$	$-0.10x_{428}$	$-0.12x_{3}$	$+0.63x_{342}$
x_{4}	4.75510209859	$-0.37x_{69}$	$-2.10x_{2}$	$-1.24x_{6}$	$+0.08x_{428}$	$-0.10x_{3}$	$-0.31x_{342}$
x_{10}	13.9183669341	$-1.12x_{69}$	$-11.37x_{2}$	$-0.08x_{6}$	$-0.31x_{428}$	$+0.63x_{3}$	$+1.90x_{342}$
x_{327}	6.57142950453	$-0.14x_{69}$	$-2.43x_{2}$	$-2.43x_{6}$	$+1.14x_{428}$	$+2.57x_{3}$	$-1.29x_{342}$
x_{14}	7.08163247018	$+0.12x_{69}$	$-3.63x_{2}$	$+0.08x_{6}$	$-0.69x_{428}$	$-1.63x_{3}$	$+4.10x_{342}$
x_{22}	3.1836731498	$-0.22x_{69}$	$-1.67x_{2}$	$+0.18x_{6}$	$-0.06x_{428}$	$-0.67x_{3}$	$+1.98x_{342}$
x_{118}	0.204081855557	$+0.31x_{69}$	$-0.08x_{2}$	$+0.20x_{6}$	$+0.27x_{428}$	$-0.08x_{3}$	$+0.76x_{342}$
x_{17}	8.18367302762	$+0.78x_{69}$	$-3.67x_{2}$	$+0.18x_{6}$	$-1.06x_{428}$	$-1.67x_{3}$	$+4.98x_{342}$
x_{201}	0.081632866937	$+0.12x_{69}$	$+0.37x_{2}$	$+0.08x_{6}$	$+0.31x_{428}$	$+0.37x_{3}$	$+0.10x_{342}$
x_{19}	6.65306110324	$-0.02x_{69}$	$-3.06x_{2}$	$-0.35x_{6}$	$-0.55x_{428}$	$-2.06x_{3}$	$+3.82x_{342}$
x_{41}	1.04081674545	$+0.06x_{69}$	$-0.82x_{2}$	$+0.04x_{6}$	$+0.65x_{428}$	$-0.82x_{3}$	$-0.45x_{342}$
x_{15}	1.73469444708	$+0.10x_{69}$	$-0.69x_{2}$	$-0.27x_{6}$	$+0.76x_{428}$	$-1.69x_{3}$	$-1.08x_{342}$
x_{21}	3.89795943825	$-0.65x_{69}$	$-1.96x_{2}$	$-0.10x_{6}$	$+0.37x_{428}$	$-1.96x_{3}$	$+1.12x_{342}$
x_{23}	6.91836626475	$-0.12x_{69}$	$-3.37x_{2}$	$-0.08x_{6}$	$-1.31x_{428}$	$-0.37x_{3}$	$+5.90x_{342}$
x_{24}	6.93877469586	$-0.59x_{69}$	$-3.78x_{2}$	$-0.06x_{6}$	$-0.98x_{428}$	$-1.78x_{3}$	$+5.67x_{342}$
x_{109}	0.142857341568	$+0.71x_{69}$	$+0.14x_{2}$	$+0.14x_{6}$	$+0.29x_{428}$	$+0.14x_{3}$	$+0.43x_{342}$
x_{47}	0.510204194968	$+0.27x_{69}$	$-0.20x_{2}$	$+0.51x_{6}$	$+0.16x_{428}$	$-0.20x_{3}$	$+0.39x_{342}$
x_{27}	6.97959167703	$-0.53x_{69}$	$-3.59x_{2}$	$-0.02x_{6}$	$-0.33x_{428}$	$-2.59x_{3}$	$+4.22x_{342}$
x_{28}	3.89795928254	$-0.65x_{69}$	$-1.96x_{2}$	$-0.10x_{6}$	$+0.37x_{428}$	$-1.96x_{3}$	$+1.12x_{342}$
x_{29}	2.00000007569	$+0.00x_{69}$	$-1.00x_{2}$	$+0.00x_{6}$	$+0.00x_{428}$	$+0.00x_{3}$	$+1.00x_{342}$
x_{30}	6.91836626475	$-0.12x_{69}$	$-3.37x_{2}$	$-0.08x_{6}$	$-1.31x_{428}$	$-0.37x_{3}$	$+5.90x_{342}$
x_{26}	5.08163215877	$+0.12x_{69}$	$-2.63x_{2}$	$+0.08x_{6}$	$-0.69x_{428}$	$-0.63x_{3}$	$+4.10x_{342}$
x_{32}	2.00000007569	$+0.00x_{69}$	$-1.00x_{2}$	$+0.00x_{6}$	$+0.00x_{428}$	$+0.00x_{3}$	$+1.00x_{342}$
x_{33}	4.81632731192	$-0.78x_{69}$	$-2.33x_{2}$	$-0.18x_{6}$	$+1.06x_{428}$	$-3.33x_{3}$	$+0.02x_{342}$
x_{34}	2.04081674545	$+0.06x_{69}$	$-0.82x_{2}$	$+0.04x_{6}$	$+0.65x_{428}$	$-0.82x_{3}$	$-0.45x_{342}$
x_{73}	0.326530768286	$+0.49x_{69}$	$+0.47x_{2}$	$+0.33x_{6}$	$+0.22x_{428}$	$+0.47x_{3}$	$+0.41x_{342}$
x_{101}	0.285714724718	$+0.43x_{69}$	$+0.29x_{2}$	$+0.29x_{6}$	$+0.57x_{428}$	$-0.71x_{3}$	$-0.14x_{342}$
x_{35}	1.59183706194	$+0.39x_{69}$	$-0.84x_{2}$	$+0.59x_{6}$	$+0.47x_{428}$	$-0.84x_{3}$	$+0.49x_{342}$
x_{38}	1.73469444492	$+0.10x_{69}$	$-0.69x_{2}$	$+0.73x_{6}$	$+0.76x_{428}$	$-1.69x_{3}$	$-0.08x_{342}$
x_{37}	1.42857199084	$+0.14x_{69}$	$-0.57x_{2}$	$+0.43x_{6}$	$+0.86x_{428}$	$-1.57x_{3}$	$-0.71x_{342}$
x_{40}	1.42857206869	$+0.14x_{69}$	$-0.57x_{2}$	$+0.43x_{6}$	$+0.86x_{428}$	$-1.57x_{3}$	$-0.71x_{342}$
x_{25}	2.0000006239	$+0.00x_{69}$	$-1.00x_{2}$	$+0.00x_{6}$	$+1.00x_{428}$	$-2.00x_{3}$	$-1.00x_{342}$
x_{42}	0.897959440404	$+0.35x_{69}$	$+0.04x_{2}$	$+0.90x_{6}$	$+0.37x_{428}$	$+0.04x_{3}$	$+0.12x_{342}$
x_{43}	1.73469440599	$+0.10x_{69}$	$-0.69x_{2}$	$+0.73x_{6}$	$+0.76x_{428}$	$-1.69x_{3}$	$-0.08x_{342}$
x_{44}	1.42857206869	$+0.14x_{69}$	$-0.57x_{2}$	$+0.43x_{6}$	$+0.86x_{428}$	$-1.57x_{3}$	$-0.71x_{342}$
x_{45}	1.42857199084	$+0.14x_{69}$	$-0.57x_{2}$	$+0.43x_{6}$	$+0.86x_{428}$	$-1.57x_{3}$	$-0.71x_{342}$
x_{46}	1.46938811239	$+0.20x_{69}$	$-0.39x_{2}$	$+0.47x_{6}$	$+0.51x_{428}$	$-0.39x_{3}$	$-0.16x_{342}$
x_{20}	0.244897901315	$+0.37x_{69}$	$+0.10x_{2}$	$+0.24x_{6}$	$-0.08x_{428}$	$+0.10x_{3}$	$+0.31x_{342}$
x_{48}	0.510204194967	$+0.27x_{69}$	$-0.20x_{2}$	$+0.51x_{6}$	$+0.16x_{428}$	$-0.20x_{3}$	$+0.39x_{342}$
x_{49}	0.693877621649	$+0.04x_{69}$	$+0.12x_{2}$	$+0.69x_{6}$	$+0.10x_{428}$	$+0.12x_{3}$	$+0.37x_{342}$
x_{50}	1.77551048862	$+0.16x_{69}$	$-0.51x_{2}$	$+0.78x_{6}$	$+0.41x_{428}$	$-0.51x_{3}$	$+0.47x_{342}$
x_{51}	0.551020238714	$+0.33x_{69}$	$-0.02x_{2}$	$+0.55x_{6}$	$-0.18x_{428}$	$+0.98x_{3}$	$+0.94x_{342}$
x_{52}	1.20408179715	$+0.31x_{69}$	$-0.08x_{2}$	$+1.20x_{6}$	$+0.27x_{428}$	$-0.08x_{3}$	$+0.76x_{342}$
x_{53}	0.693877621649	$+0.04x_{69}$	$+0.12x_{2}$	$+0.69x_{6}$	$+0.10x_{428}$	$+0.12x_{3}$	$+0.37x_{342}$
x_{54}	0.693877621649	$+0.04x_{69}$	$+0.12x_{2}$	$+0.69x_{6}$	$+0.10x_{428}$	$+0.12x_{3}$	$+0.37x_{342}$
x_{55}	1.04081678438	$+0.06x_{69}$	$-0.82x_{2}$	$+0.04x_{6}$	$+0.65x_{428}$	$-0.82x_{3}$	$-0.45x_{342}$
x_{56}	1.04081674545	$+0.06x_{69}$	$-0.82x_{2}$	$+0.04x_{6}$	$+0.65x_{428}$	$-0.82x_{3}$	$-0.45x_{342}$
x_{57}	1.04081678438	$+0.06x_{69}$	$-0.82x_{2}$	$+0.04x_{6}$	$+0.65x_{428}$	$-0.82x_{3}$	$-0.45x_{342}$
x_{58}	1.77551048862	$+0.16x_{69}$	$-0.51x_{2}$	$+0.78x_{6}$	$+0.41x_{428}$	$-0.51x_{3}$	$+0.47x_{342}$
x_{59}	1.24489797711	$+0.37x_{69}$	$-0.90x_{2}$	$+0.24x_{6}$	$-0.08x_{428}$	$+0.10x_{3}$	$+1.31x_{342}$
x_{13}	0.918367132998	$+1.88x_{69}$	$+0.63x_{2}$	$-0.08x_{6}$	$-0.31x_{428}$	$-0.37x_{3}$	$-0.10x_{342}$
x_{61}	2.16326569508	$+1.24x_{69}$	$-1.27x_{2}$	$+0.16x_{6}$	$+0.61x_{428}$	$-0.27x_{3}$	$+0.20x_{342}$
x_{39}	1.20408177771	$+0.31x_{69}$	$-1.08x_{2}$	$+0.20x_{6}$	$+0.27x_{428}$	$-0.08x_{3}$	$+0.76x_{342}$
x_{63}	1.40816363526	$+0.61x_{69}$	$-0.16x_{2}$	$+0.41x_{6}$	$+0.53x_{428}$	$-0.16x_{3}$	$+0.51x_{342}$
x_{64}	1.06122455266	$+1.59x_{69}$	$-0.22x_{2}$	$+0.06x_{6}$	$-0.02x_{428}$	$-0.22x_{3}$	$+0.33x_{342}$
x_{65}	2.14285734182	$+1.71x_{69}$	$-0.86x_{2}$	$+0.14x_{6}$	$+0.29x_{428}$	$+0.14x_{3}$	$+0.43x_{342}$

After cutting plane is added

x_{9}	34.0612252523	$-2.41x_{69}$	$-10.22x_{2}$	$-6.94x_{6}$	$+0.98x_{428}$	$+9.78x_{3}$	$+0.33x_{342}$
x_{112}	0.265306213511	$+0.90x_{69}$	$-0.31x_{2}$	$+0.27x_{6}$	$+0.24x_{428}$	$-0.31x_{3}$	$+1.08x_{342}$
x_{5}	2.571428672	$-0.14x_{69}$	$-0.43x_{2}$	$-0.43x_{6}$	$+0.14x_{428}$	$+0.57x_{3}$	$-0.29x_{342}$
x_{1}	1.30612241515	$-0.04x_{69}$	$-0.12x_{2}$	$+0.31x_{6}$	$-0.10x_{428}$	$-0.12x_{3}$	$+0.63x_{342}$
x_{4}	4.75510209859	$-0.37x_{69}$	$-2.10x_{2}$	$-1.24x_{6}$	$+0.08x_{428}$	$-0.10x_{3}$	$-0.31x_{342}$
x_{10}	13.9183669341	$-1.12x_{69}$	$-11.37x_{2}$	$-0.08x_{6}$	$-0.31x_{428}$	$+0.63x_{3}$	$+1.90x_{342}$
x_{327}	6.57142950453	$-0.14x_{69}$	$-2.43x_{2}$	$-2.43x_{6}$	$+1.14x_{428}$	$+2.57x_{3}$	$-1.29x_{342}$
x_{14}	7.08163247018	$+0.12x_{69}$	$-3.63x_{2}$	$+0.08x_{6}$	$-0.69x_{428}$	$-1.63x_{3}$	$+4.10x_{342}$
x_{22}	3.1836731498	$-0.22x_{69}$	$-1.67x_{2}$	$+0.18x_{6}$	$-0.06x_{428}$	$-0.67x_{3}$	$+1.98x_{342}$
x_{118}	0.204081855557	$+0.31x_{69}$	$-0.08x_{2}$	$+0.20x_{6}$	$+0.27x_{428}$	$-0.08x_{3}$	$+0.76x_{342}$
x_{17}	8.18367302762	$+0.78x_{69}$	$-3.67x_{2}$	$+0.18x_{6}$	$-1.06x_{428}$	$-1.67x_{3}$	$+4.98x_{342}$
x_{201}	0.081632866937	$+0.12x_{69}$	$+0.37x_{2}$	$+0.08x_{6}$	$+0.31x_{428}$	$+0.37x_{3}$	$+0.10x_{342}$
x_{19}	6.65306110324	$-0.02x_{69}$	$-3.06x_{2}$	$-0.35x_{6}$	$-0.55x_{428}$	$-2.06x_{3}$	$+3.82x_{342}$
x_{41}	1.04081674545	$+0.06x_{69}$	$-0.82x_{2}$	$+0.04x_{6}$	$+0.65x_{428}$	$-0.82x_{3}$	$-0.45x_{342}$
x_{15}	1.73469444708	$+0.10x_{69}$	$-0.69x_{2}$	$-0.27x_{6}$	$+0.76x_{428}$	$-1.69x_{3}$	$-1.08x_{342}$
x_{21}	3.89795943825	$-0.65x_{69}$	$-1.96x_{2}$	$-0.10x_{6}$	$+0.37x_{428}$	$-1.96x_{3}$	$+1.12x_{342}$
x_{23}	6.91836626475	$-0.12x_{69}$	$-3.37x_{2}$	$-0.08x_{6}$	$-1.31x_{428}$	$-0.37x_{3}$	$+5.90x_{342}$
x_{24}	6.93877469586	$-0.59x_{69}$	$-3.78x_{2}$	$-0.06x_{6}$	$-0.98x_{428}$	$-1.78x_{3}$	$+5.67x_{342}$
x_{109}	0.142857341568	$+0.71x_{69}$	$+0.14x_{2}$	$+0.14x_{6}$	$+0.29x_{428}$	$+0.14x_{3}$	$+0.43x_{342}$
x_{47}	0.510204194968	$+0.27x_{69}$	$-0.20x_{2}$	$+0.51x_{6}$	$+0.16x_{428}$	$-0.20x_{3}$	$+0.39x_{342}$
x_{27}	6.97959167703	$-0.53x_{69}$	$-3.59x_{2}$	$-0.02x_{6}$	$-0.33x_{428}$	$-2.59x_{3}$	$+4.22x_{342}$
x_{28}	3.89795928254	$-0.65x_{69}$	$-1.96x_{2}$	$-0.10x_{6}$	$+0.37x_{428}$	$-1.96x_{3}$	$+1.12x_{342}$
x_{29}	2.00000007569	$+0.00x_{69}$	$-1.00x_{2}$	$+0.00x_{6}$	$+0.00x_{428}$	$+0.00x_{3}$	$+1.00x_{342}$
x_{30}	6.91836626475	$-0.12x_{69}$	$-3.37x_{2}$	$-0.08x_{6}$	$-1.31x_{428}$	$-0.37x_{3}$	$+5.90x_{342}$
x_{26}	5.08163215877	$+0.12x_{69}$	$-2.63x_{2}$	$+0.08x_{6}$	$-0.69x_{428}$	$-0.63x_{3}$	$+4.10x_{342}$
x_{32}	2.00000007569	$+0.00x_{69}$	$-1.00x_{2}$	$+0.00x_{6}$	$+0.00x_{428}$	$+0.00x_{3}$	$+1.00x_{342}$
x_{33}	4.81632731192	$-0.78x_{69}$	$-2.33x_{2}$	$-0.18x_{6}$	$+1.06x_{428}$	$-3.33x_{3}$	$+0.02x_{342}$
x_{34}	2.04081674545	$+0.06x_{69}$	$-0.82x_{2}$	$+0.04x_{6}$	$+0.65x_{428}$	$-0.82x_{3}$	$-0.45x_{342}$
x_{73}	0.326530768286	$+0.49x_{69}$	$+0.47x_{2}$	$+0.33x_{6}$	$+0.22x_{428}$	$+0.47x_{3}$	$+0.41x_{342}$
x_{101}	0.285714724718	$+0.43x_{69}$	$+0.29x_{2}$	$+0.29x_{6}$	$+0.57x_{428}$	$-0.71x_{3}$	$-0.14x_{342}$
x_{35}	1.59183706194	$+0.39x_{69}$	$-0.84x_{2}$	$+0.59x_{6}$	$+0.47x_{428}$	$-0.84x_{3}$	$+0.49x_{342}$
x_{38}	1.73469444492	$+0.10x_{69}$	$-0.69x_{2}$	$+0.73x_{6}$	$+0.76x_{428}$	$-1.69x_{3}$	$-0.08x_{342}$
x_{37}	1.42857199084	$+0.14x_{69}$	$-0.57x_{2}$	$+0.43x_{6}$	$+0.86x_{428}$	$-1.57x_{3}$	$-0.71x_{342}$
x_{40}	1.42857206869	$+0.14x_{69}$	$-0.57x_{2}$	$+0.43x_{6}$	$+0.86x_{428}$	$-1.57x_{3}$	$-0.71x_{342}$
x_{25}	2.0000006239	$+0.00x_{69}$	$-1.00x_{2}$	$+0.00x_{6}$	$+1.00x_{428}$	$-2.00x_{3}$	$-1.00x_{342}$
x_{42}	0.897959440404	$+0.35x_{69}$	$+0.04x_{2}$	$+0.90x_{6}$	$+0.37x_{428}$	$+0.04x_{3}$	$+0.12x_{342}$
x_{43}	1.73469440599	$+0.10x_{69}$	$-0.69x_{2}$	$+0.73x_{6}$	$+0.76x_{428}$	$-1.69x_{3}$	$-0.08x_{342}$
x_{44}	1.42857206869	$+0.14x_{69}$	$-0.57x_{2}$	$+0.43x_{6}$	$+0.86x_{428}$	$-1.57x_{3}$	$-0.71x_{342}$
x_{45}	1.42857199084	$+0.14x_{69}$	$-0.57x_{2}$	$+0.43x_{6}$	$+0.86x_{428}$	$-1.57x_{3}$	$-0.71x_{342}$
x_{46}	1.46938811239	$+0.20x_{69}$	$-0.39x_{2}$	$+0.47x_{6}$	$+0.51x_{428}$	$-0.39x_{3}$	$-0.16x_{342}$
x_{20}	0.244897901315	$+0.37x_{69}$	$+0.10x_{2}$	$+0.24x_{6}$	$-0.08x_{428}$	$+0.10x_{3}$	$+0.31x_{342}$
x_{48}	0.510204194967	$+0.27x_{69}$	$-0.20x_{2}$	$+0.51x_{6}$	$+0.16x_{428}$	$-0.20x_{3}$	$+0.39x_{342}$
x_{49}	0.693877621649	$+0.04x_{69}$	$+0.12x_{2}$	$+0.69x_{6}$	$+0.10x_{428}$	$+0.12x_{3}$	$+0.37x_{342}$
x_{50}	1.77551048862	$+0.16x_{69}$	$-0.51x_{2}$	$+0.78x_{6}$	$+0.41x_{428}$	$-0.51x_{3}$	$+0.47x_{342}$
x_{51}	0.551020238714	$+0.33x_{69}$	$-0.02x_{2}$	$+0.55x_{6}$	$-0.18x_{428}$	$+0.98x_{3}$	$+0.94x_{342}$
x_{52}	1.20408179715	$+0.31x_{69}$	$-0.08x_{2}$	$+1.20x_{6}$	$+0.27x_{428}$	$-0.08x_{3}$	$+0.76x_{342}$
x_{53}	0.693877621649	$+0.04x_{69}$	$+0.12x_{2}$	$+0.69x_{6}$	$+0.10x_{428}$	$+0.12x_{3}$	$+0.37x_{342}$
x_{54}	0.693877621649	$+0.04x_{69}$	$+0.12x_{2}$	$+0.69x_{6}$	$+0.10x_{428}$	$+0.12x_{3}$	$+0.37x_{342}$
x_{55}	1.04081678438	$+0.06x_{69}$	$-0.82x_{2}$	$+0.04x_{6}$	$+0.65x_{428}$	$-0.82x_{3}$	$-0.45x_{342}$
x_{56}	1.04081674545	$+0.06x_{69}$	$-0.82x_{2}$	$+0.04x_{6}$	$+0.65x_{428}$	$-0.82x_{3}$	$-0.45x_{342}$
x_{57}	1.04081678438	$+0.06x_{69}$	$-0.82x_{2}$	$+0.04x_{6}$	$+0.65x_{428}$	$-0.82x_{3}$	$-0.45x_{342}$
x_{58}	1.77551048862	$+0.16x_{69}$	$-0.51x_{2}$	$+0.78x_{6}$	$+0.41x_{428}$	$-0.51x_{3}$	$+0.47x_{342}$
x_{59}	1.24489797711	$+0.37x_{69}$	$-0.90x_{2}$	$+0.24x_{6}$	$-0.08x_{428}$	$+0.10x_{3}$	$+1.31x_{342}$
x_{13}	0.918367132998	$+1.88x_{69}$	$+0.63x_{2}$	$-0.08x_{6}$	$-0.31x_{428}$	$-0.37x_{3}$	$-0.10x_{342}$
x_{61}	2.16326569508	$+1.24x_{69}$	$-1.27x_{2}$	$+0.16x_{6}$	$+0.61x_{428}$	$-0.27x_{3}$	$+0.20x_{342}$
x_{39}	1.20408177771	$+0.31x_{69}$	$-1.08x_{2}$	$+0.20x_{6}$	$+0.27x_{428}$	$-0.08x_{3}$	$+0.76x_{342}$
x_{63}	1.40816363526	$+0.61x_{69}$	$-0.16x_{2}$	$+0.41x_{6}$	$+0.53x_{428}$	$-0.16x_{3}$	$+0.51x_{342}$
x_{64}	1.06122455266	$+1.59x_{69}$	$-0.22x_{2}$	$+0.06x_{6}$	$-0.02x_{428}$	$-0.22x_{3}$	$+0.33x_{342}$
x_{65}	2.14285734182	$+1.71x_{69}$	$-0.86x_{2}$	$+0.14x_{6}$	$+0.29x_{428}$	$+0.14x_{3}$	$+0.43x_{342}$

Forming the dual dictionary:
Unbounded Dictionary! The Final Dual Dictionary is:
Dual is unbounded. Primal is therefore infeasible.
Problem is ILP infeasible. Could not find an integer point.
Done.Added 1259 cuts