//--------------LP #1--------------//

c = [103 180 146 103 180 146];

a = [103 0 0 0 0 0; 0 0 0 180 0 0; 0 103 0 0 0 0; 0 0 0 0 180 0; 0 0 103 0 0 0; 0 0 0 0 0 180; 1 0 0 1 0 0; 0 1 0 0 1 0; 0 0 1 0 0 1];

b = [183 76 211 178 156 161 103 180 146]';

lb = [ 0 0 0 0 0 0 ];

ub = [];

s = -1;

ctype = "UUUUUUUUU";

vartype = "CCCCCC";

param.itlim = 100;

param.msglev = 3;

[xmin, fmin, status, extra] = glpk(c, a, b, lb, ub, ctype, vartype, s, param)

~ 0: obj = 1.124941855e+003 infeas = 0.000e+000

OPTIMAL SOLUTION FOUND BY LP PREPROCESSOR

xmin =

1.776699029126214

2.048543689320388

1.514563106796116

0.422222222222222

0.988888888888889

0.894444444444444

fmin = 1124.94185544768