```
#Max z= 200x - 300y
#subject to
#2x+3y>=1200
#x+y<=400
#2x+3/2y>=900
#x,y>=0


from scipy.optimize import linprog
obj = [-200, 300]


lhs_ineq = [[ -2, -3], # Red constraint left side
            [1, 1], # Blue constraint left side
            [ -2, -1.5]] # Yellow constraint left side


rhs_ineq = [-1200, # Red constraint right side
            400, # Blue constraint right side
            -900] # Yellow constraint right side


bnd = [(0, float("inf")), # Bounds of x
       (0, float("inf"))] # Bounds of y


opt = linprog(c=obj, A_ub=lhs_ineq, b_ub=rhs_ineq,
              bounds=bnd,
              method="revised simplex")


opt
```

```
          con: array([], dtype=float64)
          fun: 120000.0
      message: 'The problem appears infeasible, as the phase one auxiliary problem terminated
          nit: 1
        slack: array([   0.,    0., -300.])
       status: 2
      success: False
            x: array([  0., 400.])
```

✓ 0s completed at 12:14 PM