```
from scipy.optimize import linprog



#Max z=3x1+2x2
#subject to
#x1 + x2 <=4
#x1 - x2 <=2
#x1,x2>=0
obj = [-3, -2]


lhs_ineq = [[ 1, 1], # Red constraint left side
... [1, -1]] # Blue constraint left side


rhs_ineq = [4, # Red constraint right side
... 2] # Blue 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: -11.0
      message: 'Optimization terminated successfully.'
          nit: 2
        slack: array([0., 0.])
       status: 0
      success: True
            x: array([3., 1.])


opt.fun

     -11.0


opt.success

     True


opt.x

     array([3., 1.])
```

✓ 0s completed at 11:53 AM