```
from scipy.optimize import linprog
obj = [-20, -12, -40, -25]


lhs_ineq = [[1, 1, 1, 1], # Manpower
            [3, 2, 1, 0], # Material A
            [0, 1, 2, 3]] # Material B


rhs_ineq = [ 50, # Manpower
            100, # Material A
            90] # Material B



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


opt
```

```
       con: array([], dtype=float64)
       fun: -1900.0
   message: 'Optimization terminated successfully.'
       nit: 2
     slack: array([ 0., 40.,  0.])
    status: 0
   success: True
         x: array([ 5.,  0., 45.,  0.])
```