Minimization (SIMPLEX)

```
from scipy.optimize import linprog
objfn=[1,1]
lhs=[[1,0],[0,1],[1,1]]
rhs=[6,6,11]
opt=linprog(c=objfn,A_ub=lhs,b_ub=rhs,method="simplex")
opt
OUTFUT :-
     con: array([], dtype=float64)
     fun: 0.0
message: 'Optimization terminated successfully.'
     nit: 5
   slack: array([ 6., 6., 11.])
  status: 0
 success: True
      x: array([0., 0.])
```

Maximization (SIMPLEX)

```
from scipy.optimize import linprog
 objfn=[-20,-12,-40,-25]
 ths=[[1,1,1,1]]
    [3, 2, 1, 0],
    [0,1,2,3]]
 ths=[50,100,90]
 opt=linprog(c=objfn,A_ub=lhs,b_ub=rhs,method="simplex")
 opt
OUTPUT:-
  con: array([], dtype=float64)
  fun: -1899.99999999998
   message: 'Optimization terminated successfully.'
   nit: 4
 slack: array([0.00000000e+00, 4.00000000e+01, 1.42108547e-14])
status: 0
success: True
   x: array([ 5., 0., 45., 0.])
```