```
clc,clear
p=optimproblem('ObjectiveSense','max');
c=[4,3];
a=[2,1;1,1;0,1];
b=[10;8;7];
x=optimvar('x',2,1,'LowerBound',0);%决策变量
p.Objective=c*x;%目标函数
p.Constraints=a*x<=b;%约束条件
[sol,fval,flag,out]=solve(p);
```

Solving problem using linprog.

Optimal solution found.

```
sol.x

ans = 2×1
    2.0000
    6.0000

show(p)
```