```
>> Q2
 Iter  Func-count            Fval   Feasibility   Step Length       Norm of   First-order
                                                                       step    optimality
    0           2    2.700000e+01     0.000e+00     1.000e+00     0.000e+00     2.700e+01
    1           4    1.000000e+00     0.000e+00     1.000e+00     2.000e+00     2.200e+01
    2           6    1.000000e+00     0.000e+00     1.000e+00     0.000e+00     0.000e+00

Local minimum found that satisfies the constraints.

Optimization completed because the objective function is non-decreasing in
feasible directions, to within the value of the optimality tolerance,
and constraints are satisfied to within the value of the constraint tolerance.

<stopping criteria details>

X2 =

     1


FVAL2 =

     1


EXITFLAG2 =

     1


output2 =

  struct with fields:

         iterations: 2
          funcCount: 6
          algorithm: 'sqp'
            message: '↵Local minimum found that satisfies the constraints.↵↵Optimization↙
completed because the objective function is non-decreasing in ↵feasible directions, to↙
within the value of the optimality tolerance,↵and constraints are satisfied to within the↙
value of the constraint tolerance.↵↵<stopping criteria details>↵↵Optimization completed:↙
The relative first-order optimality measure, 0.000000e+00,↵is less than options.↙
OptimalityTolerance = 1.000000e-06, and the relative maximum constraint↵violation,↙
0.000000e+00, is less than options.ConstraintTolerance = 1.000000e-06.↵↵'
    constrviolation: 0
           stepsize: 0
       lssteplength: 1
      firstorderopt: 0

>>
```