>> Q3						
-	unc-count	Fval	Feasibility	Step Length	Norm of	First-order
					step	
0		9.244900e+02			0.000e+00	5.030e+02
Objectiv		returned Inf; t				
1	7	3.800923e+02	0.000e+00	7.000e-01	7.256e-01	1.121e+03
Objectiv		returned Inf; t				
2	27				2.828e-01	1.279e+03
-		returned Inf; t				
3	~ -	-2.653607e+02		7.000e-01	2.115e-01	4.138e+03
_		returned Inf; t			7 000 00	4 200 04
4		-8.791418e+02	0.000e+00		7.269e-02	1.399e+04
-		returned Inf; t			2 620 02	4 600 04
5	39		0.000e+00		2.629e-02	4.690e+04
ubjectiv		returned Inf; t			0 007- 00	1 52205
Objectiv	43	-2.088830e+03			8.887e-03	1.532e+05
-		returned Inf; t -2.657698e+03			2.722e-03	4 6200.405
		returned Inf; t		7.000e-01	2.722e-03	4.639e+05
8		-3.137587e+03	0.000e+00	7.000e-01	7.320e-04	1.009e+06
•		returned Inf; t			7.3200-04	1.0096+00
9	55		0.000e+00		1.637e-04	1.895e+06
		returned Inf; t			1.03/6-04	1.0926+00
10	67	-3.338965e+03	0.000e+00	4.035e-02	1.955e-03	2.074e+06
		returned Inf; t			113336 03	210740100
11	114	-3.340557e+03			1.550e-04	3.679e+05
		returned Inf; t			113300 01	310730.03
12	142	-3.342003e+03	0.000e+00		8.364e-04	3.835e+05
13	145	-3.346378e+03	0.000e+00		2.325e-04	7.725e+05
14	148	-3.348663e+03	0.000e+00		4.613e-05	2.207e+05
15	151	-3.348952e+03	0.000e+00		8.825e-06	4.274e+04
16	154	-3.348962e+03	0.000e+00	1.000e+00	1.372e-06	3.137e+03
17	157	-3.348962e+03	0.000e+00	1.000e+00	1.062e-07	4.173e+01

Local minimum possible. Constraints satisfied.

fmincon stopped because the size of the current step is less than the value of the step size tolerance and constraints are satisfied to within the value of the constraint tolerance.

<stopping criteria details>

```
thetahat =
```

1.0e-03 *

0.2717

0.0752

fval =

-3.3490e+03

exitflag =

>>

```
output =

struct with fields:

iterations: 17
funcCount: 157
algorithm: 'sqp'
message: 'الله Local minimum possible. Constraints satisfied. المناقبة fmincon stopped له because the size of the current step is less than the value of the step size tolerance لا منا ما constraints are المناقبة fmincon stopped because the size of the current step is less than the value of the step size tolerance and constraints are المناقبة fmincon stopped because the relative changes in all the lements of x are less than options. StepTolerance = 1.000000e-06, and the relative maximum constraint violation, 0.000000e+00, is less than options. Constraint Tolerance = 1.000000e-06. المناقبة fmincon stepsize: 1.0624e-07 lesteplength: 1 firstorderopt: 41.7298
```