```
>> A=[2-10]
-1 -1 -2
0 -2 3]
A =
     2 -1 0
     -1
         -1 -2
         -2
     0
>> [Q,R] = qr(A)
```

Q =

-0.894427190999916 -0.249136439561220 -0.371390676354104 0.447213595499958 -0.498272879122440 -0.742781352708207 0 -0.830454798537400 0.557086014531156

3

R =

-2.236067977499790 0.447213595499958 -0.894427190999916 0 2.408318915758459 -1.494818637367319 0 3.156820749009882

>> A2=R*Q

A2 =

2.2000000000000 1.077032961426901 -0.000000000000000 1.077032961426901 0.041379310344827 -2.621596939137684 0 -2.621596939137684 1.758620689655173

>> [Q2,R2] = qr(A2)

Q2 =

-0.439696865275764 -0.147480230964970 -0.885954992164492 0 -0.986426211761125 0.164205142278177

-2.449489742783178 -0.985527456652574 1.152707956155378 0 2.657671610791032 -1.348115822740204 0 0 2.611391456230357

>> A3=R2*Q2

A3 =