```
>> A

A =

     1     2     3
     2     0    -1
     1     3     5
     4     5     6
     3    -3     3

>> [W,R]=house(A);
>> size(W)

ans =

     5     3

>> R

R =

   -5.5678   -2.8737   -7.0046
         0    6.2243    3.5138
         0    0.0000   -4.3115

>> Q=formQ(W);
>> norm(eye(5)-Q'*Q)

ans =

   6.0959e-16

>> Q(:,[4,5])=[];
>> norm(A-Q*R)

ans =

   2.7681e-15

>>
```