function test4

A=[1,1.5,0;1.5,-1,1;0,1,1]

[P,D]=schur(A)

B=[1,0,2;0,-1,-2;2,-2,0]

[C,Q]=schur(B)

>> test4

A =

1.0000 1.5000 0

1.5000 -1.0000 1.0000

0 1.0000 1.0000

P =

-0.4222 -0.5547 0.7170

0.8617 -0.0000 0.5074

-0.2815 0.8321 0.4780

D =

-2.0616 0 0

0 1.0000 0

0 0 2.0616

B =

1 0 2

0 -1 -2

2 -2 0

C =

-0.3333 0.6667 -0.6667

0.6667 0.6667 0.3333

0.6667 -0.3333 -0.6667

Q =

-3.0000 0 0

0 0.0000 0

0 0 3.0000