

Command Window

Works

>> Assgn1

sn =

0.3536 0.3536 0.3536  
-0.3536 0.3536 0.3536  
0.3536 0.3536 -0.3536  
-0.3536 0.3536 -0.3536  
0.3536 -0.3536 0.3536  
-0.3536 -0.3536 0.3536  
0.3536 -0.3536 -0.3536  
-0.3536 -0.3536 -0.3536

ort =

1.0000 -0.0000 0  
-0.0000 1.0000 -0.0000  
0 -0.0000 1.0000

y =

0 -2.0000 1.0000  
2.0000 0.0000 1.0000  
2.0000 2.0000 1.0000

sa =

0.3536  
0  
0.3536  
0  
0  
-0.3536  
0  
-0.3536

r =

-1.0000  
1.0000  
2.0000

Command Window

Works

-0.3536  
0  
-0.3536

r =

-1.0000  
1.0000  
2.0000

ta =

-1  
1  
2

ans =

1.0000 0.1049 0.0468  
0.1049 1.0000 0.0228  
0.0468 0.0228 1.0000

r =

-0.1629 -1.9772 0.9544  
2.0468 0.2325 1.0937  
2.2566 2.2325 1.1393

ans =

1.0000 -0.0064 0.0119  
-0.0064 1.0000 -0.0074  
0.0119 -0.0074 1.0000

r =

0.0247 -2.0074 1.0148  
2.0119 -0.0202 1.0238  
1.9990 1.9798 1.0090

2. The result of  $x$  and the average of the normalized  $s$ , where  $x$  is the result of  $T$  and transpose of the normalized  $s$  is the same as the average of  $T$ , where  $T$  is the matrix of transposes of  $T_1$ ,  $T_2$ ,  $T_3$ .