>> M=[19.9 49.2 10.2 48.4 41.6]

M =

19.9000 49.2000 10.2000 48.4000 41.6000

>> Ds=[7.9 1.3 4.6 74.4 10.8]

Ds =

7.9000 1.3000 4.6000 74.4000 10.8000

>> R=[1 0.44 -0.34 -0.31 -0.14;

0 1 0.25 -0.19 -0.35;

0 0 1 0.44 0.33;

0 0 0 1 0.85;

0 0 0 0 1]

R =

1.0000 0.4400 -0.3400 -0.3100 -0.1400

0 1.0000 0.2500 -0.1900 -0.3500

0 0 1.0000 0.4400 0.3300

0 0 0 1.0000 0.8500

0 0 0 0 1.0000

>> A=R+R'-diag(diag(R))

A =

1.0000 0.4400 -0.3400 -0.3100 -0.1400

0.4400 1.0000 0.2500 -0.1900 -0.3500

-0.3400 0.2500 1.0000 0.4400 0.3300

-0.3100 -0.1900 0.4400 1.0000 0.8500

-0.1400 -0.3500 0.3300 0.8500 1.0000

>> S=Ds\*A\*Ds

Error using \*

Inner matrix dimensions must agree.

>> Ds=[7.9 0 0 0 0 0;

]]

]]

|

Error: Unbalanced or unexpected parenthesis or bracket.

>> Ds=[7.9 0 0 0 0;

0 1.3 0 0 0;

0 0 4.6 0 0;

0 0 0 74.6 0;

0 0 0 0 10.8]

Ds =

7.9000 0 0 0 0

0 1.3000 0 0 0

0 0 4.6000 0 0

0 0 0 74.6000 0

0 0 0 0 10.8000

>> S=Ds\*A\*Ds

S =

1.0e+03 \*

0.0624 0.0045 -0.0124 -0.1827 -0.0119

0.0045 0.0017 0.0015 -0.0184 -0.0049

-0.0124 0.0015 0.0212 0.1510 0.0164

-0.1827 -0.0184 0.1510 5.5652 0.6848

-0.0119 -0.0049 0.0164 0.6848 0.1166

>> B=S\*(N-1)

Undefined function or variable 'N'.

>> N=16

N =

16

>> B=S\*(N-1)

B =

1.0e+04 \*

0.0936 0.0068 -0.0185 -0.2740 -0.0179

0.0068 0.0025 0.0022 -0.0276 -0.0074

-0.0185 0.0022 0.0317 0.2265 0.0246

-0.2740 -0.0276 0.2265 8.3477 1.0272

-0.0179 -0.0074 0.0246 1.0272 0.1750

>> X'X=B+N\*M'\*M

X'X=B+N\*M'\*M

|

Error: Unexpected MATLAB expression.

>> XtraX=B+N\*M'\*M

XtraX =

1.0e+05 \*

0.0727 0.1573 0.0306 0.1267 0.1307

0.1573 0.3876 0.0805 0.3782 0.3267

0.0306 0.0805 0.0198 0.1016 0.0704

0.1267 0.3782 0.1016 1.2096 0.4249

0.1307 0.3267 0.0704 0.4249 0.2944

>> a=XtranX

Undefined function or variable 'XtranX'.

Did you mean:

>> a=XtraX

a =

1.0e+05 \*

0.0727 0.1573 0.0306 0.1267 0.1307

0.1573 0.3876 0.0805 0.3782 0.3267

0.0306 0.0805 0.0198 0.1016 0.0704

0.1267 0.3782 0.1016 1.2096 0.4249

0.1307 0.3267 0.0704 0.4249 0.2944

>>