```
$ make test
./main.out
           1   4.00000000
           2  0.356932193
           3   3.09238203E-05
           4   1.26408902E-23
           5   0.00000000
           6   0.00000000
           7   0.00000000
           8   0.00000000
           9   0.00000000
          10   0.00000000
 NA
  -3.11202371E-08   0.00000000       0.00000000
   0.00000000       3.00000000       0.00000000
   0.00000000       0.00000000      0.999999940

 NX
  0.577350259      0.408248365     -0.707106829
 -0.577350318      0.816496730      -4.49512036E-08
  0.577350259      0.408248335      0.707106829

 ----------
 check
 ----------
 A*NX ?= NA*NX
 A*NX
  -5.96046448E-08   1.22474504     -0.707106888
  -1.19209290E-07   2.44949031      -1.19209290E-07
  -5.96046448E-08   1.22474504      0.707106769

 NX*NA
  -1.79672774E-08   1.22474504     -0.707106769
   1.79672792E-08   2.44949007      -4.49512001E-08
  -1.79672774E-08   1.22474504      0.707106769

 ----------
 result
 ----------
 Eigenvektoren
  0.577350259     |  0.408248365     | -0.707106829     |
 -0.577350318     |  0.816496730     |  -4.49512036E-08 |
  0.577350259     |  0.408248335     |  0.707106829     |

 Eigenwerte
  -3.11202371E-08 |   3.00000000     |  0.999999940     |
g
```