```
time = zeros(4,3);
m = [8,16,24];

for i = 1:3
    [A,b] = Lap2D(m(i));
    tic
    GaussElim(A,b);
    time(i,1) = toc;
    tic
    Cholesky(A,b);
    time(i,2) = toc;
    BandGE(A,b,m,m);
    time(i,3) = toc;
end
time(4,1)=1000;


m=32;
[A,b] = Lap2D(m);
tic
Cholesky(A,b);
time(4,2)=toc;

tic
BandGE(A,b,m,m);
time(4,3)=toc;

T = array2table(time,'VariableNames',{'GE','Cholesky','BandGE'},'RowNames',
{'8','16','24','32'})
```

```
T =

  4×3 table

            GE       Cholesky      BandGE
          ________    _________    ________

    8     0.076607    0.0067984    0.018638
    16       3.164     0.029365    0.089917
    24      113.64     0.048055     0.17067
    32        1000      0.13058      3.0599
```

*Published with MATLAB® R2022a*