```
A1 = [
    .4096 .1234 .3678 .2943;
    .2246 .3872 .4015 .1129;
    .3645 .1920 .3781 .0643;
    .1784 .4002 .2786 .3927];
b1 = [1.1951 1.1262 .9989 1.2499];
res1 = gauss_jordon(A1,b1)

A2 = [136.01,90.860,0 0;
    90.860 98.810 -67.59 0 ;
    0 -67.59 132.01 46.26;
    0 0 46.26 177.17];
b2 = [226.87 122.08 110.68 223.43];
res2 = gauss_jordon(A2,b2)

A3 = [1 1/2 1/3 1/4;
    1/2 1/3 1/4 1/5;
    1/3 1/4 1/5 1/6;
    1/4 1/5 1/6 1/7];
b3 = [25/12 77/60 57/60 319/420];
res3 = gauss_jordon(A3,b3)

A4 = [10 7 8 7;7 5 6 5;8 6 10 9;7 5 9 10];
b4 = [32 23 33 31];

res4 = gauss_jordon(A4,b4)


res1 =

    1.0000
    1.0000
    1.0000
    1.0000


res2 =

    1.0000
    1.0000
    1.0000
    1.0000


res3 =

    1.0000
    1.0000
    1.0000
    1.0000
```

```
res4 =

    1.0000
    1.0000
    1.0000
    1.0000
```

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