```
A = [38 37 34; 37 42 7; 1 18 2; 11 7 34; 14 34 26; 12 25 36];
b = [0;2; 1; 6; 5; 7];
x = A\b
r= A*x-b
l2_r = norm(r, 2)
```

x =

   -0.1515
    0.0986
    0.1519

r =

    3.0537
   -2.4029
    0.9265
   -1.8125
    0.1793
   -0.8860

l2_r =

    4.4788