

运行说明

实现细节

使用Gauss消元法，首先输入矩阵行数，再建立动态数组，输入矩阵A元素和等式右侧向量B。根据P85列主元法算法求解方程。具体见注释

运行结果

```
Enter dimention: 9
Enter matrix:
31 -13 0 0 0 -10 0 0 0
-13 35 -9 0 -11 0 0 0 0
0 -9 31 -10 0 0 0 0 0
0 0 -10 79 -30 0 0 0 -9
0 0 0 -30 57 -7 0 -5 0
0 0 0 0 -7 47 -30 0 0
0 0 0 0 0 -30 41 0 0
0 0 0 0 -5 0 0 27 -2
0 0 0 -9 0 0 0 -2 29
Enter vector: -15 27 -23 0 -20 12 -7 7 10
x1 = -2.892338160157544e-01
x2 = 3.454357157791154e-01
x3 = -7.128117310868789e-01
x4 = -2.206085105705286e-01
x5 = -4.304004327040223e-01
x6 = 1.543087398383112e-01
x7 = -5.782287328904062e-02
x8 = 2.010538948236807e-01
x9 = 2.902286618797449e-01
```