

Sprawozdanie lab 6

Zadanie 1

```
Macierz przed obliczeniami
```

```
1 1 -2 1 -2 -5 8
2 -4 -1 2 3 3 1
2 -2 6 -1 6 5 5
0 2 1 1 4 5 5
-5 0 4 -1 9 4 10
7 -2 -4 5 3 -1 -5
```

```
7 -2 -4 5 3 -1 -5
0 -3.42857 0.142857 0.571429 2.14286 3.28571 2.42857
0 0 7.08333 -2.66667 4.25 3.91667 5.41667
0 0 0 2.74118 9.6 1.31765 4.58824
0 0 0 2.22045e-16 -1.49785 5.48069 2.67382
0 0 0 0 0 -5.55731 9.38825
```

```
Rozwiazanie ukladu rownan
```

```
x0=-9.43387
x1=-1.49549
x2=17.918
x3=30.3857
x4=-7.96649
x5=-1.68935
```

Zadanie 2

```
-5 1 -2 1 -2 1 8
3 -4 -1 2 3 2 1
5 -2 6 -1 6 2 5
5 2 1 1 4 0 5
4 0 4 -1 9 -5 10
-1 -2 -4 5 3 7 -5
```

```
-5 1 -2 1 -2 1 8
0 -3.4 -2.2 2.6 1.8 2.6 5.8
0 -1 4 0 4 3 13
0 3 -1 2 2 1 13
0 0.8 2.4 -0.2 7.4 -4.2 16.4
0 -2.2 -3.6 4.8 3.4 6.8 -6.6
```

```
-5 1 -2 1 -2 1 8
0 -3.4 -2.2 2.6 1.8 2.6 5.8
0 0 4.64706 -0.764706 3.47059 2.23529 11.2941
0 0 -2.94118 4.29412 3.58824 3.29412 18.1176
0 0 1.88235 0.411765 7.82353 -3.58824 17.7647
0 0 -2.17647 3.11765 2.23529 5.11765 -10.3529
```

```
-5 1 -2 -2 1 1 8
0 -3.4 -2.2 1.8 2.6 2.6 5.8
0 0 4.64706 3.47059 -0.764706 2.23529 11.2941
0 0 0 5.78481 3.81013 4.70886 25.2658
0 0 2.22045e-16 6.41772 0.721519 -4.49367 13.1899
0 0 0 3.86076 2.75949 6.16456 -5.06329
```

```
-5 1 -2 -2 1 1 8
0 -3.4 -2.2 1.8 2.6 2.6 5.8
0 0 4.64706 3.47059 2.23529 -0.764706 11.2941
0 0 0 5.78481 4.70886 3.81013 25.2658
0 0 2.22045e-16 0 -9.71772 -3.50547 -14.8403
0 0 0 0 3.02188 0.21663 -21.9256
```

```
-5 1 -2 -2 1 1 8
0 -3.4 -2.2 1.8 2.6 2.6 5.8
0 0 4.64706 3.47059 2.23529 -0.764706 11.2941
0 0 0 5.78481 4.70886 3.81013 25.2658
0 0 2.22045e-16 0 -9.71772 -3.50547 -14.8403
0 0 0 0 0 -0.873452 -26.5404
```

```
-5 1 -2 -2 1 1 8
0 -3.4 -2.2 1.8 2.6 2.6 5.8
0 0 4.64706 3.47059 2.23529 -0.764706 11.2941
0 0 0 5.78481 4.70886 3.81013 25.2658
0 0 2.22045e-16 0 -9.71772 -3.50547 -14.8403
0 0 0 0 0 -0.873452 -26.5404
```

```
Rozwiazanie ukkladu rownan  
5 1 2 4 0 3  
x0=-7.96649  
x1=-1.68935  
x2=-9.43387  
x3=17.918  
x4=-1.49549  
x5=30.3857
```