Вхідна система

(1)	3	2	8	3	35
(2)	17	51	13	20	407
(3)	0	3	7	3	28
(4)	16	4	20	16	124

Придатна для методу ітерацій система:

(1) - (3)	3	-1	1	0	7
(2)	17	51	13	20	407
(3)	0	3	7	3	28
(4) + 3*(3) - 5*(1)	1	6	1	10	33

Результат програми

```
Gauss-Jordan method

(3)x1 + (2)x2 + (8)x3 + (3)x4 = 35
(17)x1 + (51)x2 + (13)x3 + (20)x4 = 407
(0)x1 + (3)x2 + (7)x3 + (3)x4 = 28
(16)x1 + (4)x2 + (20)x3 + (16)x4 = 124
Solved
Roots: x1 = 4 x2 = 6 x3 = 1 x4 = 1

Gauss-Seidel method

(3)x1 + (-1)x2 + (1)x3 + (0)x4 = 7
(17)x1 + (51)x2 + (13)x3 + (20)x4 = 407
(0)x1 + (3)x2 + (7)x3 + (3)x4 = 28
(1)x1 + (6)x2 + (1)x3 + (10)x4 = 33
Solved
Roots: x1 = 4,01640464798344 x2 = 6,72590567327407 x3 = 1,67669172932348 x4 = -1,30485304169513
Absolute error = 1,346478484265 39E-12
```