Por método de jacobi

8x1+2x2-1x3=6

0x1+8x2+4x3=4

-2x1+4x2+9x3=2

8	2	-1	6
-2	4	9	2
0	8	4	4

k	x1	x2	x3
1	0.75	0.5	1
2	0.75	-1.375	0
3	1.09375	0.875	3.75
4	1	-7.390625	-0.75
5	2.50390625	2.6875	15.78125

Por método de Gauss-Seidel

4	1	1	1
3	-7	1	2
2	0	6	3

k	x1	x2	x3
1	0.25	-0.17857143	0.41666667
2	0.19047619	-0.11904762	0.41666667
3	0.17559524	-0.14455782	0.43650794
4	0.17701247	-0.14810091	0.44146825
5	0.17665816	-0.1467849	0.44099584

Por método SOR con w=1.25

-5	1	0	3
-2	8	2	6
0	6	6	12

k	x1	x2	x3
1	-0.5	1.1875	1.5625
2	-1.0125	1.609375	3.5
3	-1.440625	1.41875	0.390625
4	-1.906875	1.8984375	0.58125
5	-2.2771875	2.21390625	0.1015625