```
Gauss—Seidel Solver

Matriz A (3×3):
   5.0000   2.0000   2.0000
   1.0000   8.0000   0.0000
   2.0000  -2.0000   9.0000

Vector b:  -10.0000  -9.0000   1.0000
Tolerancia: 1e-06
Máx. iteraciones: 100

Iteraciones:
   1 | -2.000000  -0.875000   0.361111
   2 | -1.794444  -0.900694   0.309722
   3 | -1.763611  -0.904549   0.302014
   4 | -1.758986  -0.905127   0.300858
   5 | -1.758292  -0.905213   0.300684
   6 | -1.758188  -0.905226   0.300658
   7 | -1.758173  -0.905228   0.300654
   8 | -1.758170  -0.905229   0.300654
   9 | -1.758170  -0.905229   0.300654

Solución aproximada:
  x[1] = -1.758170
  x[2] = -0.905229
  x[3] = 0.300654
```