```
Gauss–Seidel Solver

Matriz A (3×3):
  2.0000  -1.0000  1.0000
  -2.0000  3.0000  -2.0000
  -1.0000  -2.0000  7.0000

Vector b:  -7.0000  -3.0000  -9.0000
Tolerancia: 1e-06
Máx. iteraciones: 100

Iteraciones:
   1 | -3.500000  -3.333333  -2.738095
   2 | -3.797619  -5.357143  -3.358844
   3 | -4.499150  -6.238662  -3.710925
   4 | -4.763869  -6.649862  -3.866228
   5 | -4.891817  -6.838697  -3.938459
   6 | -4.950119  -6.925718  -3.971651
   7 | -4.977034  -6.965790  -3.986945
   8 | -4.989422  -6.984245  -3.993987
   9 | -4.995129  -6.992744  -3.997231
  10 | -4.997757  -6.996658  -3.998725
  11 | -4.998967  -6.998461  -3.999413
  12 | -4.999524  -6.999291  -3.999730
  13 | -4.999781  -6.999674  -3.999875
  14 | -4.999899  -6.999850  -3.999943
  15 | -4.999954  -6.999931  -3.999974
  16 | -4.999979  -6.999968  -3.999988
  17 | -4.999990  -6.999985  -3.999994
  18 | -4.999995  -6.999993  -3.999997
  19 | -4.999998  -6.999997  -3.999999
  20 | -4.999999  -6.999999  -3.999999
  21 | -5.000000  -6.999999  -4.000000

Solución aproximada:
  x[1] = -5.000000
  x[2] = -6.999999
  x[3] = -4.000000
```