| | Condición Inicial | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | $x_1 = \beta_j, x_0 = \gamma_j$ | | | $x_1 = \beta_j, x_0 = \alpha_j$ | | | $x_1 = \alpha_j, x_0 = \gamma_j$ | | | $x_1 = \beta_j, x_0 = b_j$ | | | $x_1 = b_j, x_0 = \gamma_j$ | | |
| Iteración | $x_i$ | $x_{i-1}$ | $f(x_i)$ | $x_i$ | $x_{i-1}$ | $f(x_i)$ | $x_i$ | $x_{i-1}$ | $f(x_i)$ | $x_i$ | $x_{i-1}$ | $f(x_i)$ | $x_i$ | $x_{i-1}$ | $f(x_i)$ |
| 0 | -1 | -2 | 1.5403023058681 | -1.4 | -2 | 1.5699671429002 | -1 | -1.4 | 1.5403023058681 | -1.45 | -2 | 1.5705027693674 | -1 | -1.45 | 1.5403023058681 |
| 1 | 34.367898390332 | -1 | -35.349974170298 | 66.436590200252 | -1.4 | -67.331242286458 | 19.769401890883 | -1 | -19.163459194387 | 63.250451359019 | -1.45 | -62.336791752875 | 21.95117217848 | -1 | -22.950373228745 |
| 2 | 0.47673752132316 | 34.367898390332 | 0.41175922301768 | 0.14570897351193 | 66.436590200252 | 0.84369424237939 | 0.5451857684718 | 19.769401890883 | 0.30984520181767 | 0.13999436290161 | 63.250451359019 | 0.85022241991356 | 0.44347767700103 | 21.95117217848 | 0.45978723818811 |
| 3 | 0.86695904423175 | 0.47673752132316 | -0.21981119157021 | 0.96608721896287 | 0.14570897351193 | -0.39756442618276 | 0.85106765698148 | 0.5451857684718 | -0.19188699686823 | 0.98918665615287 | 0.13999436290161 | -0.43981700054741 | 0.86589953389504 | 0.44347767700103 | -0.21794431153032 |
| 4 | 0.73114670099074 | 0.86695904423175 | 0.013262511527082 | 0.70332715559644 | 0.96608721896287 | 0.059367389775242 | 0.7340834228896 | 0.85106765698148 | 0.0083616636530288 | 0.69966898608641 | 0.98918665615287 | 0.065386404310085 | 0.73005748726998 | 0.86589953389504 | 0.015078577328838 |
| 5 | 0.73887478332614 | 0.73114670099074 | 0.00035202775237353 | 0.7374665579196 | 0.70332715559644 | 0.0027078984865123 | 0.73896826364527 | 0.7340834228896 | 0.00019558927043883 | 0.73714007050085 | 0.69966898608641 | 0.0032538814515526 | 0.73884763151106 | 0.73005748726998 | 0.00039746486262882 |
| 6 | 0.73908550350535 | 0.73887478332614 | -6.1972217135775e-07 | 0.73909816515395 | 0.7374665579196 | -2.181047227745e-05 | 0.73908526263338 | 0.73896826364527 | -2.1659589921619e-07 | 0.7391024319331 | 0.73714007050085 | -2.8951453010073e-05 | 0.73908560894508 | 0.73884763151106 | -7.9618739112775e-07 |
| 7 | 0.73908513319796 | 0.73908550350535 | 2.8787083827808e-11 | 0.73908512855375 | 0.73909816515395 | 7.8013931981147e-09 | 0.73908513321182 | 0.73908526263338 | 5.5896398620803e-12 | 0.73908512577818 | 0.7391024319331 | 1.2446611963313e-08 | 0.73908513319021 | 0.73908560894508 | 4.1758485558319e-11 |
| 8 | 0.73908513321516 | 0.73908513319796 | | 0.73908513321515 | 0.73908512855375 | 2.2426505097428e-14 | 0.73908513321516 | 0.73908513321182 | | 0.73908513321513 | 0.73908512577818 | 4.7517545453957e-14 | 0.73908513321516 | 0.73908513319021 | |
| 9 | | | | 0.73908513321516 | 0.73908513321515 | | | | | 0.73908513321516 | 0.73908513321513 | | | | |

Figure 1: Método Secante, raíz 3