





Division Iterations

- 1. Calculate N from K0 and N0.
- 2. Calculate D and K from K0 and D0.
- 3. Iterate N: calculate N from K and previous N.
- 4. Iterate D and K: calculate D and K from previous D and K.
- 5. Iterate N.
- 6. Iterate D and K.
- 7. Iterate N.
- 8. Iterate D and K.
- 9. Iterate N.
- 10. Iterate D and K.
- 11. Iterate N to compute the quotient Q.
- 12. Compare Q*D0 to N0 to determine the sign of the remainder and round Q.

Square Root Iterations

- 1. Calculate N = N0*K0 and store in register N.
- 2. Calculate K^2 from K0 and store in register K.
- 3. Calculate D = $N0*K^2$ and store in register D. Simultaneously calculate (3-D)/2 and store in register K.
- 4. Iterate N: calculate N = N*K.
- 5. Iterate K^2: calculate K^2 from K.
- 6. Iterate D and K: calculate D = $D*K^2$ and K = (3-D)/2.
- 7. Iterate N.
- 8. Iterate K^2.
- 9. Iterate D and K.
- 10. Iterate N.
- 11. Iterate K^2.
- 12. Iterate D and K.
- 13. Iterate N.
- 14. Iterate K^2.
- 15. Iterate D and K.
- 16. Iterate N to determine the result.