```
scala> def squareRoot(n: BigDecimal): Stream[BigDecimal] =
        def squareRoot(guess: BigDecimal, n: BigDecimal): Stream[BigDecimal] = {
          Stream.cons(quess, squareRoot(0.5 * (quess + n / quess), n))
        squareRoot(1, n)
squareRoot: (n: BigDecimal)Stream[BigDecimal]
scala>
scala>
      squareRoot(2)
res10: Stream[BigDecimal] = Stream(1, ?)
scala>
       val iterations = 5
iterations: Int = 5
scala>
scala>
      squareRoot(2)(iterations - 1)
resll: BigDecimal = 1.414213562374689910626295578890135
scala>
       squareRoot(2).take(iterations).toList
95578890135)
scala>
```