1. Here is one solution.

   t := e
   u := t - 13
   ifsign u
   <: w := t - 4
       ifsign w
       <: x := t - 2
           ifsign x
           <: br def
           =: s2
           >: br def
           =: s4
           >: x := t - 12
           ifsign x
           <: br def
           =: s12
           >: br def
           =: s13
       >: w := t - 88
       ifsign w
       <: x := t - 17
           ifsign x
           <: br def
           =: s17
           >: br def
           =: s88
       >: x := t - 99
           ifsign x
           <: br def
           =: s99
           >: br def
   br done

def: sd
done:

2. Here is one solution. (This code actually compiles in Scala; yours need not.)

class RangeIterator(val r: Range) extends Iterator[Int] {
    var n = r.start
    def hasNext() : Boolean = n <= r.end
    def next() : Int = {
        val v = n
        br done
    }
}
n += 1
v
)
)