Looking Recursively:

1 + ValueOf(5) (11%2-> 1, 11/2 -> 5)
  1 + ValueOf(2) (5%2-> 1, 5/2 -> 2)
    0 + ValueOf(1) (2%2-> 0, 2/2 -> 1)
      1 + ValueOf(0) (1%2-> 1, 1/2 -> 0)