The nth triangular number is the sum of 1+2+3 ... n. What is the value of the first trangular number to have over five hundred divisors? Use the divisor function to get number of divisors (multiply exponents of prime factors +1) require prime def prime factors(n)
Prime prime division(n).to-h
end def count divisors (n) return lif n==1 factors = prime-factors(n) factor-powers = factor. values factor-powers.map! { If I f+17 factor-powers.reduce (: *) def triangular(n) (n*(n+1))/2

def triangular-divisors (factors)
nth-tri=1
loop do
tri = triangular (nth-tri)
tri = triangular (nth-tri) If count-divisors (tri) > factors
return tri
end
nth-tr: +=1
end
end
II