What is the 10001st prime number?

According to Wikipedia, the nth prime, untten ph, 15 approximated by

Pn>nlogn, n21

But pn isn't always the next prime after n log n. so start counting at 2.

require 'prime'

def nth-prime(n)

counter = 1

prime = 2

While counter in do

prime = next-prime(prime)

counter t = 1

end

prime

end

def next-prime(n)

loop do

return n if Prime.prime?(n)

end

end

end