

10001st prime

By listing the first six prime numbers: 2, 3, 5, 7, 11, and 13, we can see that the 6th prime is 13.

What is the 10001st prime number?

Solution

Running the accompanying C program for about a minute yields 104743 for the 10001st prime number. This is confirmed in Mathematica: $\text{Prime}[10001] = 104743$.