

Results for Search Algorithm using Fibonacci. 4/4/2020

I searched the Apache access log that is 521.5MB from a CentOS 7 system with fibonacci search algorithm. Searching the string “crazy” took 4.85 seconds using a MacBook Pro 2019 with Core i7 1.7GHz (Turbo Boost 4.5GHz) connected to a SSPH series IODATA 480GB SSD to my USB-C port.

This means 107MB/s search speed was achieved.

A search algorithm using Perl’s regular expression took 0.6681 seconds

780.57MB/s is the Perl regular expression search algorithm.

The fibonacci search algorithm needs more tuning, but it is a good try for my first search algorithm that was coded with the help of a freelancer.

© Tsubasa Kato 2020

Contact: tsubasa@superaonline.com