

## An Ode to Binary Search

The array is sorted, an element must be found

It may seem very difficult, but the solution is less profound

Linear search may seem like the perfect way to go

But nothing beats  $O(\log(n))$ , and by the end you'll know

It always seems that linear search gets the job done fast

But take a look at Binary Search, and you'll leave it in the past

Once it splits the array in two, then you'll surely see

Recursion makes the problem turn into a binary tree

Once the function reaches the leaves

The solution soon becomes a breeze

Now our element has been found, and the world is finally right

I no longer feel the need to be uptight

But when the array isn't sorted, and success is looking dark

We must sort the array in sub-linear time, or the world will fall apart.

I hope you have enjoyed this insanely epic poem,

I will now go do a binary search, on everything I own.