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CS-382

Binary Search
I pledge my honor that I have abided by the Stevens Honor System.

The program works to find instances of a variable in the array. It successfully scans them into the program and is able to use them in binary search, however, there is a segmentation fault and a problem with finding the last element in the array. It works for the cases that the element is not in the array, the element is the first element in the array, and the element is anything but the last element in the array.

```
jack@jack-VirtualBox:/media/sf_shared/BinaryAssembly$ qemu-aarch64 -L /usr/aarch64-linux-gnu/ a.out
4
1
2
3
4
5
6
7
9
Target at: 3
qemu: uncaught target signal 11 (Segmentation fault) - core dumped
Segmentation fault (core dumped)
```

```
jack@jack-VirtualBox:/media/sf_shared/BinaryAssembly$ qemu-aarch64 -L /usr/aarch64-linux-gnu/ a.out
10
1
2
3
4
5
6
7
9
Target at: -1
```

```
jack@jack-VirtualBox:/media/sf_shared/BinaryAssembly$ qemu-aarch64 -L /usr/aarch64-linux-gnu/ a.out
9
1
2
3
4
5
6
7
9
Target at: -1
```