: Choose any 2 problems.

1) Let `a[0], ... , a[n-1]` be an array of ints with `a[0] < a[1] < ... < a[n-1]`.
Write a $O(\log n)$ runtime iterative search algorithm that looks for an integer `x` and
returns the index of its first occurrence in the array. Return -1 if it is not found.

Σ

$\rightarrow$
$\rightarrow$

$\subseteq$

$$\sum_{i=1}^{l} y_i$$